

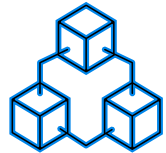
Hybrid-Wechselrichter

4 ms

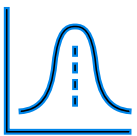
Switching Time

3-80 kW

Power Range



16 Units in Parallel



Peak Shaving



AC Coupling

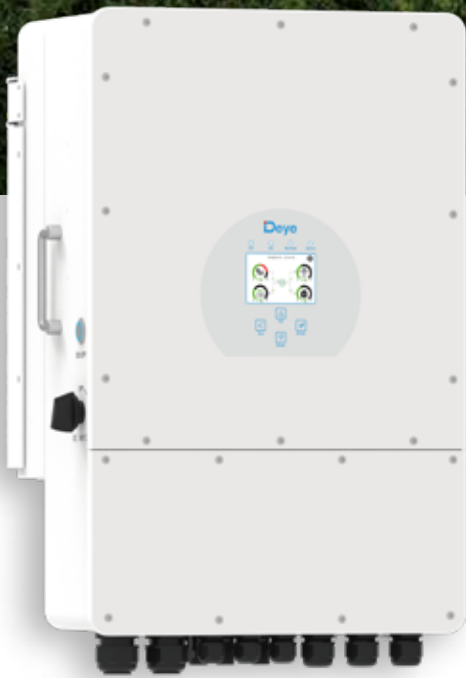


Diesel Generators



Dreiphasen-Hybrid-Wechselrichter

SUN-5/6/8/10/12K-SG04LP3-EU-P



100

100% unsymmetrische Ausgang: jede Phase max. Ausgang ist bis zu 50% der Nennleistung



Wechselstrom-Paar zur Nachrüstung bestehender Solaranlage

10

Max. 10 Einheiten parallel (Grid-gebundene/off-Grid-Modbus) Unterstützt die parallele Verbindung mehrerer Batterien

240

Max. Lade-/Entladestrom von 240A

48

48V Niedervoltbatterie, Transformator-Isolationsdesign

6

6 einstellbare Zeiträume zum Laden und Entladen der Batterie



Unterstützt die Energiespeicherung aus Dieselgenerator

Deye

Stock Code: 605117.SH

Modell	SUN-5K -SG04LP3-EU-P	SUN-6K -SG04LP3-EU-P	SUN-8K -SG04LP3-EU-P	SUN-10K -SG04LP3-EU-P	SUN-12K -SG04LP3-EU-P
Batterie Eingangsdaten					
Batterie-Typ	Bleisäure oder Li-Ion				
Batteriespannungsbereich (V)	40-60				
Max. Ladestrom (A)	120	150	190	210	240
Max. Entladestrom (A)	120	150	190	210	240
Ladestrategie für Li-Ionen-Batterie	Selbstanpassung an BMS				
Anzahl der Batterieeingänge	1				
PV String Eingangsdaten					
Max. PV Access Power (W)	10000	12000	16000	20000	24000
Max.DC-Eingangsleistung (W)	8000	9600	12800	16000	19200
Max.DC-Eingangsspannung (V)	800				
Startspannung (V)	160				
MPPT-Spannungsbereich (V)	200-650				
Nenn-DC-Eingangsspannung (V)	550				
Max. Betriebs-PV-Eingangsstrom (A)	36+20				
Max. Eingangs-Kurzschlussstrom (A)	54+30				
Anzahl der MPP Trackers/ Anzahl der Strings MPP Tracker	2/2+1				
AC-Eingang/Ausgangsseite					
Nenn-AC-Eingangs-/Ausgangswirkleistung	5000	6000	8000	10000	12000
Max. AC-Eingangs-/Ausgangs-Scheinleistung	5500	6600	8800	11000	13200
AC-Eingangs-/Ausgangsnennstrom (A)	7,6/7,2	9,1/8,7	12,1/11,6	15,2/14,5	18,2/17,4
Max. AC-Eingangs-/Ausgangsstrom (A)	8,4/8	10/9,6	13,4/12,8	16,7/15,9	20/19,1
Max. Kontinuierlicher AC-Passthrough (Netz zum Laden)	45				
Spitzenleistung (ohne Netz)	2fache Nennausgangsleistung, 10s				
Einstellbereich des Leistungsfaktors	0,8 führend bis 0,8 nachlaufend				
Nenn-Eingangs-/Ausgangsspannung/Bereich (V)	220/230 0.85Un-1.1Un				
Nenn-Eingangs-/Ausgangsnetzfrequenz/Bereich (Hz)	50/45-55, 60/55-65				
Form des Netzanschlusses	3L+N+PE				
Gesamte harmonische Stromverzerrung (THDi)	<3% (Nennleistung)				
DC-strom stromeinspeisung	<0,5% In				
Wirkungsgrad					
Max. Wirkungsgrad	97,6%				
Euro-Wirkungsgrad	96,5%				
MPPT-Wirkungsgrad	>99%				
Schutz der Geräte					
Integriert	DC Polarity Reverse Connection Protection, AC Output Überstromschutz, Wärmeschutz, AC Output Überspannungsschutz, AC Output Kurzschlusschutz, DC Component Monitoring, Überspannungs-Lastfallschutz, Erdungsfehler-Stromüberwachung, Lichtbogen-Fehler-Stromunterbrecher (optional), Netzüberwachung, Inselnschutz-Überwachung, Erdfehler-Erkennung, DC-Eingangsschalter, Gleichstrom-Isolations-Impedanz-Überwachung, Rückstrom-Erkennung (RCD), Überspannungsschutz-Niveau				
Überspannungsschutzstufe	TYPE II(DC), TYPE II(AC)				
Schnittstelle					
Kommunikationsschnittstelle	RS485/RS232/CAN				
Monitormodus	GPRS/WIFI/Bluetooth/4G/LAN (optional)				
Allgemeine Daten					
Betriebstemperaturbereich (°C)	-40 to +60°C, >45°C Leistungsminderung				
Zulässige Umgebungsfeuchte	0-100%				
Zulässige Höhenlage	2000m				
Lärm (dB)	<55 dB(A)				
Schutzart	IP 65				
Wechselrichter-Topologie	Nicht-isoliert				
Überspannungskategorie	OVC II(DC), OVC III(AC)				
Abmessung (BxHxT mm)	422×658×254 (Ohne Steckverbinder und Halterungen)				
Gewicht (kg)	38				
Kühlmodus	Intelligente Kühlung				
Garantie	5-jährige/10-jährige Garantiezeit hängt von den Installationsbedingungen des Wechselrichters ab. Einzelheiten finden Sie in den allgemeinen Garantiebedingungen				
Netzregelung	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105				
Sicherheit EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				

Dreiphasen-Hybrid-Wechselrichter

SUN-5/6/8/10/12/15/20/25K-SG01HP3-EU-AM2



- 100** 100% unausgewogener Ausgang, jede Phase
-  Wechselstrom-Paar zur Nachrüstung bestehender Solaranlage
- 10** Max. 10 Einheiten parallel (Grid-gebundene/off-Grid-modus)
Unterstützt die parallele Verbindung mehrerer Batterien
- 50** Max. Lade-/Entladestrom von 50A
- H** Hochspannungsbatterie, höhere Effizienz
- 6** 6 einstellbare Zeiträume zum Laden und Entladen der Batterie
-  Unterstützt die Energiespeicherung aus Dieselgenerator

Deye

Stock Code: 605117.SH

Modell	SUN-5K-SG01 HP3-EU-AM2	SUN-6K-SG01 HP3-EU-AM2	SUN-8K-SG01 HP3-EU-AM2	SUN-10K-SG01 HP3-EU-AM2	SUN-12K-SG01 HP3-EU-AM2	SUN-15K-SG01 HP3-EU-AM2	SUN-20K-SG01 HP3-EU-AM2	SUN-25K-SG01 HP3-EU-AM2
Batterie Eingangsdaten								
Batterie-Typ	Li-Ion							
Batteriespannungsbereich (V)	160-700							
Max. Ladestrom (A)	30	30	37					50
Max. Entladestrom (A)	30	30	37					50
Ladestrategie für Li-Ionen-Batterie	Selbstanpassung an BMS							
Anzahl der Batterieeingänge	2							
PV String Eingangsdaten								
Max. PV Access Power (W)	10000	12000	16000	20000	24000	30000	40000	50000
Max.DC-Eingangsleistung (W)	8000	9600	12800	16000	19200	24000	32000	40000
Max.DC-Eingangsspannung (V)	1000							
Startspannung (V)	180							
MPPT-Spannungsbereich (V)	150-800							
Nenn-DC-Eingangsspannung (V)	600							700
Max. Betriebs-PV-Eingangsstrom (A)	20+20				26+20		26+26	
Max. Eingangs-Kurzschlussstrom (A)	30+30				39+30		39+39	
Anzahl der MPP Trackers/ Anzahl der Strings MPP Tracker	2/1+1				2/2+1		2/2+2	
AC-Eingang/Ausgangsseite								
Nenn-AC-Eingangs-/Ausgangswirkleistung	5000	6000	8000	10000	12000	15000	20000	25000
Max. AC-Eingangs-/Ausgangs-Scheinleistung	5500	6600	8800	11000	13200	16500	22000	27500
AC-Eingangs-/Ausgangsnennstrom (A)	7,6/7,3	9,1/8,7	12,2/11,6	15,2/14,5	18,2/17,4	22,8/21,8	30,4/29	37,9/36,3
Max. AC-Eingangs-/Ausgangsstrom (A)	8,4/8	10/9,6	13,4/12,8	16,7/16	20/19,2	25/24	33,4/31,9	41,7/39,9
Max. Kontinuierlicher AC-Passthrough (Netz zum Laden)	40				80			
Spitzenleistung (ohne Netz)	1,fache Nennausgangsleistung, 10s							
Einstellbereich des Leistungsfaktors	0,8 führend bis 0,8 nachlaufend							
Nenn-Eingangs-/Ausgangsspannung/Bereich (V)	220/380V, 230/400V 0.85Un-1.1Un							
Nenn-Eingangs-/Ausgangsnetzfrequenz/Bereich (Hz)	50/45-55, 60/55-65							
Form des Netzanschlusses	3L+N+PE							
Gesamte harmonische Stromverzerrung (THDi)	<3% (Nennleistung)							
DC-strom stromeinspeisung	<0,5% In							
Wirkungsgrad								
Max. Wirkungsgrad	97,6%							
Euro-Wirkungsgrad	97,0%							
MPPT-Wirkungsgrad	>99%							
Schutz der Geräte								
Integriert	DC Polarity Reverse Connection Protection, AC Output Überstromschutz, Wärmeschutz, AC Output Überspannungsschutz, AC Output Kurzschlusschutz, DC Component Monitoring, Überspannungs-Lastfallschutz, Erdungsfehler-Stromüberwachung, Lichtbogen-Fehler-Stromunterbrecher (optional), Netzüberwachung, Inselnschutz-Überwachung, Erdfehler-Erkennung, DC-Eingangsschalter,Gleichstrom-Isolations-Impedanz-Überwachung, Rückstrom-Erkennung (RCD), Überspannungsschutz-Niveau							
Überspannungsschutzstufe	TYPE II(DC), TYPE II(AC)							
Schnittstelle								
Kommunikationsschnittstelle	RS485/RS232/CAN							
Monitormodus	GPRS/WIFI/Bluetooth/4G/LAN (optional)							
Allgemeine Daten								
Betriebstemperaturbereich (°C)	-40 to +60°C, >45°C Leistungsminderung							
Zulässige Umgebungsfeuchte	0-100%							
Zulässige Höhenlage	2000m							
Lärm (dB)	<55 dB(A)							
Schutzart	IP 65							
Wechselrichter-Topologie	Nicht-isoliert							
Überspannungskategorie	OVC II(DC), OVC III(AC)							
Abmessung (BxHxT mm)	408×638×237 (Ohne Steckverbinder und Halterungen)							
Gewicht (kg)	30,5							
Kühlmodus	Natürliche Kühlung		Intelligente Kühlung					
Garantie	5-jährige/10-jährige Garantiezeit hängt von den Installationsbedingungen des Wechselrichters ab. Einzelheiten finden Sie in den allgemeinen Garantiebedingungen							
Netzregelung	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105							
Sicherheit EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2							

Dreiphasen-Hybrid-Wechselrichter

SUN-29,9/30/35K-SG01HP3-EU-BM3

SUN-40/50K-SG01HP3-EU-BM4



- 100** 100% unausgewogener Ausgang, jede Phase
-  Wechselstrom-Paar zur Nachrüstung bestehender Solaranlage
- 10** Max. 10 Einheiten parallel (Grid-gebundene/off-Grid-modus)
Unterstützt die parallele Verbindung mehrerer Batterien
- 100** Max. Lade-/Entladestrom von 100A
- H** Hochspannungsbatterie, höhere Effizienz
- 6** 6 einstellbare Zeiträume zum Laden und Entladen der Batterie
-  Unterstützt die Energiespeicherung aus Dieselgenerator

Deye

Stock Code: 605117.SH

Modell	SUN-29,9K-SG01HP3 -EU-BM3	SUN-30K-SG01HP3 -EU-BM3	SUN-35K-SG01HP3 -EU-BM3	SUN-40K-SG01HP3 -EU-BM4	SUN-50K-SG01HP3 -EU-BM4
Batterie Eingangsdaten					
Batterie-Typ	Li-Ion				
Batteriespannungsbereich (V)	160-800				
Max. Lade Strom (A)	50+50				
Max. Entladestrom (A)	50+50				
Ladestrategie für Li-Ionen-Batterie	Selbstanpassung an BMS				
Anzahl der Batterieeingänge	2				
PV String Eingangsdaten					
Max. PV Access Power (W)	59800	60000	70000	80000	100000
Max.DC-Eingangsleistung (W)	47840	48000	56000	64000	80000
Max.DC-Eingangsspannung (V)	1000				
Startspannung (V)	180				
MPPT-Spannungsbereich (V)	150-800				
Nenn-DC-Eingangsspannung (V)	600				
Max. Betriebs-PV-Eingangsstrom (A)	36+36+36			36+36+36+36	
Max. Eingangs-Kurzschlussstrom (A)	55+55+55			55+55+55+55	
Anzahl der MPP Trackers/ Anzahl der Strings MPP Tracker	3/2+2+2			4/2+2+2+2	
AC-Eingang-/Ausgangsseite					
Nenn-AC-Eingangs-/Ausgangswirkleistung	29900	30000	35000	40000	50000
Max. AC-Eingangs-/Ausgangs-Scheinleistung	29900	33000	38500	44000	55000
AC-Eingangs-/Ausgangsnennstrom (A)	45,4/43,4	45,5/43,5	53,1/50,8	60,7/58	75,8/72,5
Max. AC-Eingangs-/Ausgangsstrom (A)	45,4/43,4	50/47,9	58,4/55,8	66,7/63,8	83,4/79,8
Max. Kontinuierlicher AC-Passthrough (Netz zum Laden)	200				
Spitzenleistung (ohne Netz)	1,5fache Nennausgangsleistung, 10s				
Einstellbereich des Leistungsfaktors	0,8 führend bis 0,8 nachlaufend				
Nenn-Eingangs-/Ausgangsspannung/Bereich (V)	220/380V, 230/400V 0,85Un-1,1Un				
Nenn-Eingangs-/Ausgangsnetzfrequenz/Bereich (Hz)	50/45-55, 60/55-65				
Form des Netzanschlusses	3L+N+PE				
Gesamte harmonische Stromverzerrung (THDi)	<3% (Nennleistung)				
DC-strom stromeinspeisung	<0,5% In				
Wirkungsgrad					
Max. Wirkungsgrad	97,6%				
Euro-Wirkungsgrad	97,0%				
MPPT-Wirkungsgrad	>99%				
Schutz der Geräte					
Integriert	DC Polarity Reverse Connection Protection, AC Output Überstromschutz, Wärmeschutz, AC Output Überspannungsschutz, AC Output Kurzschlusschutz, DC Component Monitoring, Überspannungs-Lastfallschutz, Erdungsfehler-Stromüberwachung, Lichtbogen-Fehler-Stromunterbrecher (optional), Netzüberwachung, Inselschutz-Überwachung, Erdfehler-Erkennung, DC-Eingangsschalter,Gleichstrom-Isolations-Impedanz-Überwachung, Rückstrom-Erkennung (RCD), Überspannungsschutz-Niveau				
Überspannungs schutzstufe	TYPE II(DC), TYPE II(AC)				
Schnittstelle					
Kommunikationsschnittstelle	RS485/RS232/CAN				
Monitormodus	GPRS/WIFI/Bluetooth/4G/LAN (optional)				
Allgemeine Daten					
Betriebstemperaturbereich (°C)	-40 to +60°C, >45°C Leistungsminderung				
Zulässige Umgebungsfeuchte	0-100%				
Zulässige Höhenlage	2000m				
Lärm (dB)	<65 dB(A)				
Schutzart	IP 65				
Wechselrichter-Topologie	Nicht-isoliert				
Überspannungskategorie	OVC II(DC), OVC III(AC)				
Abmessung (BxHxT mm)	527×894×294 (Ohne Steckverbinder und Halterungen)				
Gewicht (kg)	80				
Kühlmodus	Intelligente Kühlung				
Garantie	5-jährige/10-jährige Garantiezeit hängt von den Installationsbedingungen des Wechselrichters ab. Einzelheiten finden Sie in den allgemeinen Garantiebedingungen				
Netzregelung	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, OVE-Richtlinie R25, G99, VDE-AR-N 4105				
Sicherheit EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2				

Microinverter

SUN-M60/80/100G4-EU-Q0



- ✓ 2 MPP Tracker, Modul Level Monitoring
- ✓ Schutzart IP67
- ✓ WIFI-Kommunikation
- ✓ Schnellabschaltfunktion
- ✓ Einfache Installation, geeignet für schnellsteckbare Balkon PV-Anlage
- ✓ <100ms AC schnelle Entladung, konform mit neuen geforderte Norm DIN VDE 0620-1 (<200ms) bis Schutz der menschlichen Sicherheit
- ✓ Kompletter NS-Schutz mit Selbstkontrolle
- ✓ Externer Relaisvorteil mit niedriger Temperatur, langes Leben, einfachere Wartung
- ✓ 25 Jahre Design Lebensdauer und 15 Jahre Garantie
- ✓ Mit integriertem WIFI

Deye

Stock Code: 605117.SH

Modell	SUN-M60G4-EU-Q0		SUN-M80G4-EU-Q0	SUN-M100G4-EU-Q0
PV String Eingangsdaten				
Max. PV-Eingangsleistung (W)	210-420(2 Stk.)		210-560(2 Stk.)	210-700(2 Stk.)
Max. PV-Eingangsspannung (V)	60			
Startspannung (V)	20			
MPPT-Spannungsbereich (V)	25-55			
Nenn-PV-Eingangsspannung (V)	42,5			
Max. Betriebs-PV-Eingangsstrom (A)	13+13			
Max. Eingangs-Kurzschlussstrom (A)	19,5+19,5			
Anzahl der MPP Trackers/ Anzahl der Strings MPP Tracker	2/1			
AC Ausgangsseite				
Nennleistung AC-Ausgangsleistung (W)	600	800	1000	
Max. AC Output Scheinbare Leistung (VA)	600	800	1000	
Nennstrom AC-Ausgangsstrom (A)	2,8/2,7	3,7/3,5	4,6/4,4	
Max. AC-Ausgangsstrom (A)	2,8/2,7	3,7/3,5	4,6/4,4	
Nennausgangsspannung/Bereich (V)	220/230 0,85Un-1,1Un			
Form des Natzanschlusses	L/N/PE			
Nennausgangsraster Frequenz/Bereich (Hz)	50/45-55, 60/55-65			
Max. Einheit pro Zweig	8	6	5	
Einstellbereich des Leistungsfaktors	0,95 führend bis 0,95 nachlaufend			
Gesamtstrom harmonische Verzerrung THDi	<3%			
DC-strom stromeinspeisung	<0,5%In			
Wirkungsgrad				
Max. Wirkungsgrad	96,5%			
Euro-Wirkungsgrad	96,0%			
MPPT-Wirkungsgrad	>99%			
Schutz der Geräte				
DC Verpolungsschutz	Ja			
AC-Ausgangs-Überstromschutz	Ja			
AC-Ausgangs-Überspannungsschutz	Ja			
AC-Ausgangs-Kurzschlusschutz	Ja			
Thermischer Schutz	Ja			
Überwachung der Isolationsimpedanz der DC-Klemmen	Ja			
Überwachung des Stromnetzes	Ja			
Überwachung des Inselbetriebes	Ja			
Erdschlusserkennung	Ja			
Überspannungs-Lastabwurfchutz	Ja			
Allgemeine Daten				
Betriebstemperaturbereich (°C)	-40 bis +60°C, >45°C Leistungsminderung			
Zulässige Umgebungsluftfeuchtigkeit	0-100%			
Zulässige Höhenlage (m)	2000m			
Lärm (dB)	≤25 dB(A)			
Schutzart	IP 67			
Wechselrichter-Topologie	Isoliert			
Überspannungskategorie	OVC II(DC), OVC III(AC)			
Kommunikati	WiFi			
Abmessungen des Gehäuses (BxHxT mm)	280,5×190×40 (Ohne Steckverbinder und Halterungen)			
Gewicht	3			
Garantie	15 Jahre			
Kühlmodus	Natürliche Kühlung			
Netzregelung	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G99, VDE-AR-N 4105			
Sicherheit EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			

Microinverter

SUN-M130/160/180/200G4-EU-Q0



IP67 Schutzart, 10 Jahre Garantie



4 MPP-Tracker, Überwachung der Modulebene



WIFI-Kommunikation



Schnellabschaltfunktion



max. DC-Eingangsstrom von 18 A,
Anpassung an 700 W PV-Modul

Deye

Stock Code: 605117.SH

Modell	SUN-M130G4 -EU-Q0	SUN-M160G4 -EU-Q0	SUN-M180G4 -EU-Q0	SUN-M200G4 -EU-Q0
PV String Eingangsdaten				
Max. PV-Eingangsleistung (W)	210-460 (4 Pieces)	210-560 (4 Pieces)	210-630 (4 Pieces)	210-700 (4 Pieces)
Max. PV-Eingangsspannung (V)	60			
Startspannung (V)	20			
MPPT-Spannungsbereich (V)	25-55			
Nenn-PV-Eingangsspannung (V)	42.5			
Max. Betriebs-PV-Eingangsstrom (A)	15+15+15+15			
Max. Eingangs-Kurzschlussstrom (A)	22.5+22.5+22.5+22.5			
Anzahl der MPP Trackers/ Anzahl der Strings MPP Tracker	4/1			
AC Ausgangsseite				
Nennleistung AC-Ausgangsleistung (W)	1300	1600	1800	2000
Max.AC Output Scheinbare Leistung (VA)	1300	1600	1800	2000
Nennstrom AC-Ausgangsstrom (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7
Max. AC-Ausgangsstrom (A)	6/5.7	7.3/7	8.2/7.9	9.1/8.7
Nennausgangsspannung/Bereich (V)	220/230 0.85Un-1.1Un			
Form des Netzanschlusses	L/N/PE			
Nennausgangsraster Frequenz/Bereich (Hz)	50/45-55, 60/55-65			
Max. Einheit pro Zweig	5	4	3	3
Einstellbereich des Leistungsfaktors	0,95 führend bis 0,95 nachlaufend			
Gesamtstrom harmonische Verzerrung THDi	<3%			
DC-strom stromeinspeisung	<0,5%In			
Wirkungsgrad				
Max. Wirkungsgrad	96,5%			
Euro-Wirkungsgrad	96,0%			
MPPT-Wirkungsgrad	>99%			
Schutz der Geräte				
DC Verpolungsschutz	Ja			
AC-Ausgangs-Überstromschutz	Ja			
AC-Ausgangs-Überspannungsschutz	Ja			
AC-Ausgangs-Kurzschlusschutz	Ja			
Thermischer Schutz	Ja			
Überwachung der Isolationsimpedanz der DC-Klemmen	Ja			
Überwachung des Stromnetzes	Ja			
Überwachung des Inselbetriebes	Ja			
Erdschlusserkennung	Ja			
Überspannungs-Lastabwurfschutz	Ja			
Allgemeine Daten				
Betriebstemperaturbereich (°C)	-40 bis +60°C, >45°C Leistungsminderung			
Zulässige Umgebungsluftfeuchtigkeit	0-100%			
Zulässige Höhenlage (m)	2000m			
Lärm (dB)	≤25 dB(A)			
Schutzart	IP 67			
Wechselrichter-Topologie	Isoliert			
Überspannungskategorie	OVC II(DC), OVC III(AC)			
Kommunikati	WiFi			
Abmessungen des Gehäuses (BxHxT mm)	311×250,5×36,5 (Ohne Steckverbinder und Halterungen)			
Gewicht	5,1			
Garantie	15 Jahre			
Kühlmodus	Natürliche Kühlung			
Netzregelung	IEC 61727, IEC 62116, CEI 0-21, EN 50549, NRS 097, RD 140, UNE 217002, G99, VDE-AR-N 4105			
Sicherheit EMC/Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2			

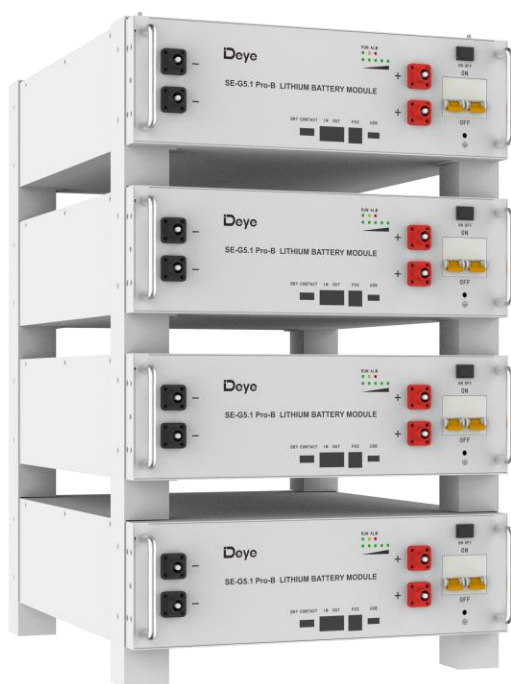
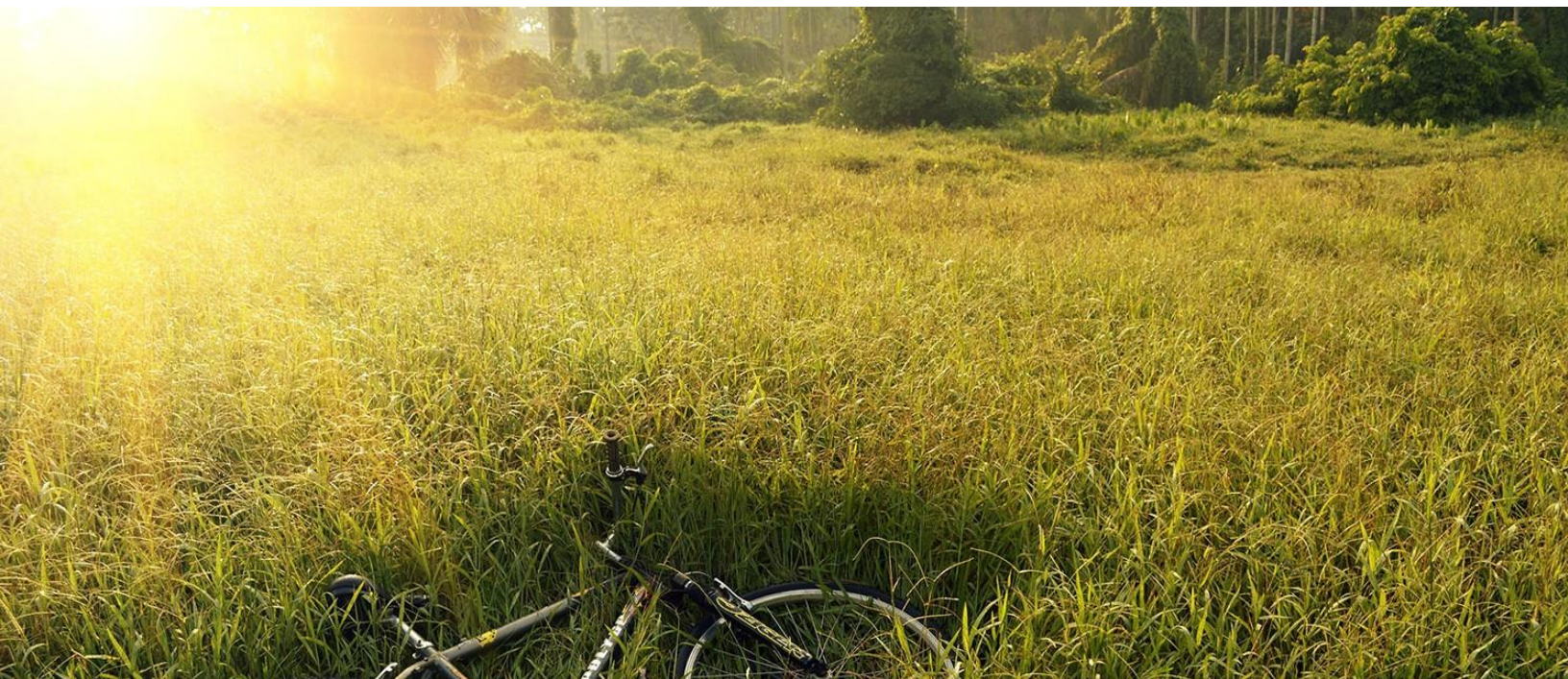
*Hinweis: 15-jährige Garantie (nur in Deutschland und Österreich installiert)

Batterie

27.08.2024



SE-G5.1 Pro-B



◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery: Safety and long Lifespan, high efficiency and high power density. Intelligent BMS, providing complete protection.

◆ Reliable

Support high discharge power. IP20, natural cooling, wide temperature range: -20°C to 55°C.

◆ Flexible

Modular design, easy to expand, Max. 64 units in parallel, Max. capacity of 327kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

◆ Convenient

Battery module auto networking, easy maintenance, support remotely monitoring and upgrade, support USB drive upgrade the firmware.

◆ Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.

◆ Three Mounting Methods

19inch Standard design, support rack-mounted, wall-mounted, and floor-mounted, saving installation space.



Stock Code: 605117.SH

Model		SE-G5.1 Pro-B
Main Parameter		
Battery Chemistry		LiFePO ₄
Capacity (Ah)		100
Scalability		Max. 64 pcs pack (327kWh) in parallel (Max. 32 pcs no external setup)
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2~57.6
Nominal Energy (kWh)		5.12
Usable Energy (kWh) ^[1]		4.6
Charge/Discharge Current (A) ^[2]	Recommend	50
	Max.	100
	Peak(2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D, mm)		440*133*540
Weight Approximate(kg)		45
Master LED Indicator		5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting)
IP Rating of Enclosure		IP20
Operating Temperature		Charge: 0~55°C (Optional heating: -20°C~55°C), Discharge: -20°C~55°C
Storage Temperature		0~35°C
Humidity		5%~95%
Altitude		≤2000m
Cycle Life		≥6000(25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)
Installation		Wall-Mounted, Floor-Mounted, Rack-Mounted (19-inch standard cabinet, cabinet depth ≥600mm)
Communication Port		CAN2.0, RS485
Warranty Period ^[3]		10 years
Energy Throughput		16MWh@70%EOL
Certification		UN38.3, IEC62619, CE,UK, VDE2510-50, CEI 0-21, FCC, UL1973, UL9540A

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Deye Warranty Letter.

Introduction

This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye , it can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging to extend cycle life. Multiple batteries can connect in parallel for larger capacity and longer power supporting.

Model	Accessories Parts Description	Remark
3U-LBCable150	Battery Parallel Cable (Included)	Battery power and communication parallel connection cable (when using the 3U-bracket floor mount)
3U-LPCable1500	Hybrid inverter Cable (Included)	Battery power and communication cable connect with hybrid inverter
3U-LRfe	Battery Rack Fixed Ears (Included)	Used for battery fixing with 19inch rack or cabinet
3U-Bracket	Battery Brackets (Included)	Simple stacking bracket, 1 unit including 4 pcs brackets, Max. stacking 4 floors
3U-W-Bracket	Battery Wall-Mounted Brackets and screws (Included)	Simple wall hanging support.



Model: 3U-LBCable150

Details: Pair of 150mm 4AWG Battery power cable (both ends have waterproof terminals) and one 250mm RJ45 communication cable for battery parallel.



Model: 3U-LPCable1500

Details: Pair of 4AWG DC power cable (one end has a waterproof terminal, the other end is M10 copper terminal) and one RJ45 communication cable connect with hybrid inverter. The default length is 1500mm.



Model: 3U-LRfe

Details: Pair of rack fixed ears used for battery fixing with 19inch rack or cabinet.



Model: 3U-Bracket

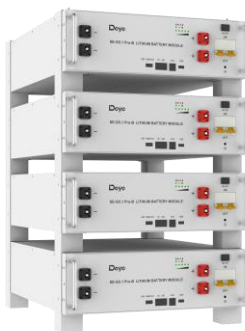
Details: Simple stacking bracket, height 187mm, 1 set including 4 pcs brackets, Max. stacking 4 floors.



Model: 3U-W-Bracket

Details: Pair of simple wall hanging support, included 4 sets of M6 expansion screws.

Mounting example



Floor-Mounted



Wall-Mounted



Rack-Mounted

AI-W5.1-B



◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan, high efficiency and high-power density. Intelligent BMS, providing complete protection.

◆ Reliable

Support high discharge power. IP65, natural cooling, wide temperature range: -20°C to 55°C.

◆ Flexible

Modular design, easy to expand, Max. 6 clusters in parallel(36 pcs), Max. capacity of 184kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

◆ Convenient

Battery module auto networking, easy maintenance, support remotely monitoring and upgrade the firmware.

◆ Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.

◆ Quick Installation

Flat and stackable design, support wall-mounted & floor-mounted, no wiring, rapid and easy installation.



Stock Code: 605117.SH

Model		AI-W5.1-B combinations					
Main Parameter							
Battery Model Number		AI-W5.1-B	AI-W5.1-B*2	AI-W5.1-B*3	AI-W5.1-B*4	AI-W5.1-B*5	AI-W5.1-B*6
Number of battery units in parallel (Optional)		1	2	3	4	5	6
Battery Chemistry		LiFePO ₄					
Built-in Circuit Breaker		125A 2P, 60Vdc					
Battery Module Energy (kWh)		5.12					
Battery Module Voltage (V)		51.2					
Battery Module Capacity (Ah)		100					
Nominal Voltage (V)		51.2					
Operating Voltage(V)		43.2~57.6					
Nominal Energy (kWh)		5.12	10.24	15.36	20.48	25.6	30.72
Usable Energy (kWh) ^[1]		4.6	9.2	13.8	18.4	23	27.6
Rated DC Power (KW)		2.5	5	7.5	10	12	12
Charge/Discharge Current (A) ^[2]	Recommend	50	100	150	200	250	250
	Max.	100	180	250	250	250	250
	Peak(10s,25°C)	150	270	360	360	360	360
Other Parameter							
Recommend Depth of Discharge		90%					
System Dimension (W/D/H, mm)		720*255*569	720*255*850	720*255*1131	720*255*1412	720*255*1693	720*255*1974
System Weight (kg)		74.5	127.5	180.5	233.5	286.5	339.5
Battery Module Dimension(W/D/H, mm)		720*255*300 (without terminal parts)					
Battery Module Weight (kg)		53					
Master LED Indicator		Battery module: 3LED (working, alarming, protecting), PDU module: 5LED(SOC:20%~100%)&3LED (working, alarming, protecting)					
IP Rating of Enclosure		IP65 (after stacking)					
Operating Temperature		Charge: 0~55°C / Discharge: -20°C~55°C					
Storage Temperature		0°C ~ 35°C					
Humidity		5%~95%					
Altitude		≤2000m					
Installation		Wall-Mounted, Floor-Mounted					
Communication Port		CAN2.0, RS485					
Cycle Life		≥6000(25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)					
Energy Throughput		16MWh(Battery Module @70%EOL)					
Warranty Period ^[3]		10 years					
Certification		UN38.3, IEC62619, CE, UK, VDE2510-50, CEI 0-21,CE-LVD, CEC					

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Deye Warranty Letter.

[4]Made in China.

Introduction

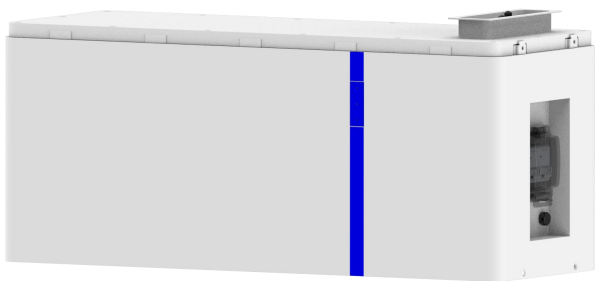
This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye , it can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

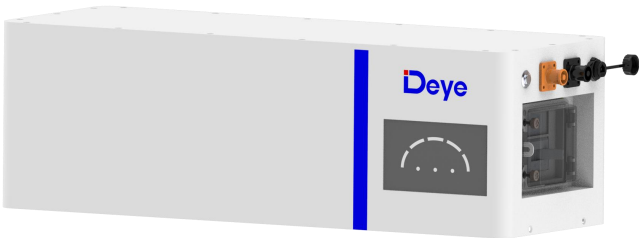
This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging to extend cycle life.

Multiple batteries can connect in parallel for larger capacity and longer power supporting.

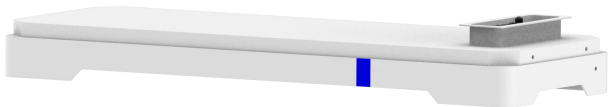
Model	Accessories Parts Description	Remark
AI-W5.1-B (individual package)	5.12kWh Battery Module	Stacked battery modules, each 5.12kWh, a single string can be stacked and installed 1~6 (battery capacity 5~30kWh)
AI-W5.1-PDU1-B+Base (individual package)	Power Distribute Unit I (Included)	Battery power and communication interface connect with Inverter and LED display system status
	Battery Base (Included)	The bottom support seat
	AI-W5.1-PCable1500 (Included)	Battery power and communication cable connect with hybrid inverter



Model: AI-W5.1-B (Battery Module)
Details: 5.12kWh, 720*255*300(W x D x H,mm), 53kg

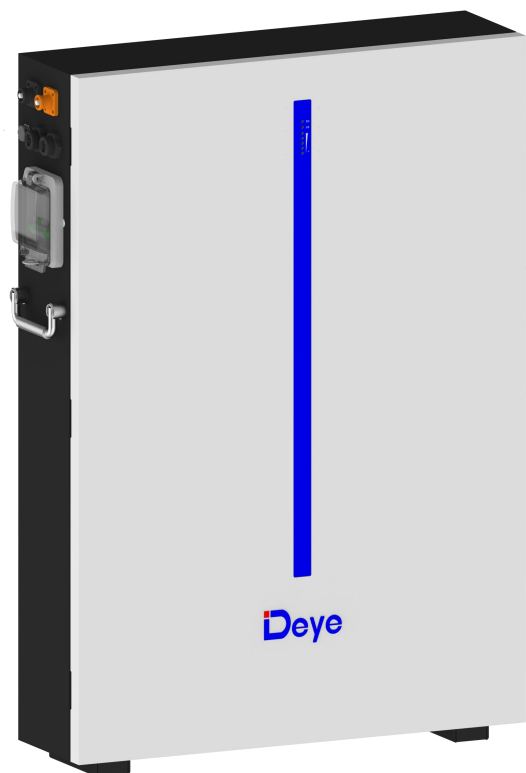


Model: AI-W5.1-PDU1-B
Details: 720*255*238(W x D x H,mm), 15kg
Built-in Circuit Breaker: 250A 2P, 1000Vdc



Model: AI-W5.1-Base (Battery Base)
Details: 720*255*68(W x D x H,mm), 6.5kg

RW-M6.1-B



◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan, high efficiency and high-power density. Intelligent BMS, providing complete protection.

◆ Reliable

Support high discharge power. IP65, natural cooling, wide temperature range: -20°C to 55°C.

◆ Flexible

Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 196kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

◆ Convenient

Battery module auto networking, easy maintenance, remotely monitoring and upgrade, support USB drive upgrade the firmware.

◆ Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.

◆ Wall-Mounted & Floor-Mounted

Flat design, support wall-mounted and floor-mounted, saving installation space.

Model		RW-M6.1-B
Main Parameter		
Battery Chemistry		LiFePO4
Capacity (Ah)		120
Scalability		Max.32 pcs in Parallel(196kWh)
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2~57.6
Energy (kWh)		6.14
Usable Energy (kWh) ^[1]		5.53
Rated DC Power(kW)		3.07
Charge/Discharge Current (A) ^[2]	Recommend	60
	Max.	100
	Peak(2mins,25°C)	150
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D, mm)		510*740*145(Without Base, depth of 161mm with Hanging Board)
Weight Approximate(kg)		58
Master LED Indicator		5LED(SOC:20%~SOC100%),3LED (working, alarming, protecting)
IP Rating of Enclosure		IP65
Operating Temperature		Charge:0~55°C / Discharge:-20°C~55°C
Storage Temperature		0°C~35°C
Humidity		5%~95%
Altitude		≤2000m
Cycle Life		≥6000(25°C±2°C,0.5C/0.5C,70%EOL)
Installation		Wall-Mounted, Floor-Mounted
Communication Port		CAN2.0, RS485
Warranty Period ^[3]		10 years
Energy Throughput		20MWh@70%EOL
Certification		UN38.3, IEC62619, CE, CEI 0-21, VDE2510-50

[1] DC Usable Energy, test conditions: 90% DOD, 0.5C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

[2] The current is affected by temperature and SOC.

[3] Conditions apply, refer to Deye Warranty Letter.

[4] Made in China.

Introduction

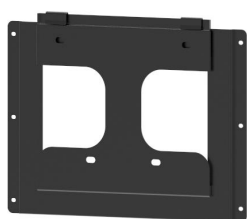
This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye , it can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging to extend cycle life.

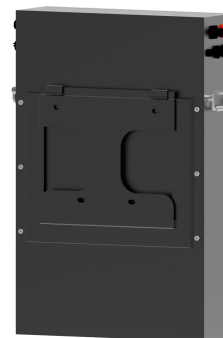
Multiple batteries can connect in parallel for larger capacity and longer power supporting duration.

Model	Accessories Parts Description	Remark
RW-M6.1-B-Hboard	Battery Hanging Board (Included)	Used for battery fixing on the wall
RW-M6.1-B-PCable	Hybrid inverter Cable (Included)	Battery power and communication cable connect with hybrid inverter
RW-M6.1-B-BCable	Battery Parallel Cable (Included)	Battery power and communication parallel connection cable
RW-M6.1-B-Fixed support	Fixed supports (Included)	When floor-mounted, fixing the battery to the wall



Model: RW-M6.1-B-Hboard

Details: 3kg(Appr.)



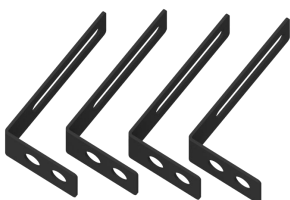
Model: RW-M6.1-B-PCable1500

Details: Pair of 2/0AWG DC power cable (one end has a waterproof terminal, the other end is M10 copper terminal) and RJ45 communication cable connect with hybrid inverter (one end has a waterproof terminal) .The default length is 1500mm.



Model: RW-M6.1-B-BCable300

Details: Pair of 2/0AWG Battery power cable and RJ45 communication cable for battery parallel, **both ends have waterproof terminals**. The default length is 300mm.



Model: RW-M6.1-B-Fixed support

Details: When floor-mounted, use these fixed supports to fixing the battery to the wall.

RW-F10.2



◆ Safer

Cobalt Free Lithium Iron Phosphate (LFP) Battery, safety and long lifespan and high-energy density. Low Voltage safety connection.

◆ High performance

Maximum support 1C charge and 1.2C discharge.

Maximum 6000 cycles at 90% DOD, and 10 years standard warranty.

◆ Reliable

Built-in Intelligent BMS, providing complete protection. Natural cooling, IP65, wide temperature range: -20°C to 55°C.

◆ Flexible

Modular design, easy to expand, Max. 32 units in parallel, Max. capacity of 326kWh. Suited to residential and commercial applications for increasing the self-consumption ratio.

◆ Convenient

Battery module auto networking(No DIP switch code), easy maintenance, support Deye remotely monitoring and upgrade. Also supports Deye inverters to form a stack all-in-one system.

◆ Eco-Friendly

Use environmental protection materials, the whole module non-toxic, pollution-free.

◆ Two Mounting Methods

Flat design, Wall-mounted with Wall Bracket, Floor Stand with removable base, saving installation space.



Stock Code: 605117.SH

Model		RW-F10.2
Main Parameter		
Battery Chemistry		LiFePO ₄
Built-in Circuit Breaker		125A 4P, 60Vdc
Nominal Capacity (Ah)		200
Nominal Voltage (V)		51.2
Operating Voltage(V)		43.2 ~ 57.6
Nominal Energy (kWh)		10.2
Usable Energy (kWh)		9.2 (90%DOD)
Scalability		Max. 32 pcs pack (Max.326kWh) in parallel
Rated DC Power(kW)		6
Max DC Power(kW)		12
Charge/Discharge Current (A) ^[1]	Recommend	Charge: 100 / Discharge: 100
	Max.	Charge: 198 / Discharge: 240
	Peak	Discharge: 300 (2mins,25°C)
Other Parameter		
Recommend Depth of Discharge		90%
Dimension (W/H/D, mm)		600*760*200(Without hanging board)
Weight Approximate(kg)		104
Master LED Indicator		SOC state(20% ~ 100%), work state(alarming, protecting)
IP Rating of Enclosure		IP65
Operating Temperature		Charge: 1~55°C / Discharge: -20°C~55°C
Storage Temperature		0°C~35°C
Humidity		5%~95%
Altitude		≤3000m
Cycle Life		≥6000(25°C±2°C,0.5C/0.5C,90%DOD,70%EOL)
Installation		Wall-Mounted, Floor-Mounted
Communication Port		CAN2.0, RS485
Warranty Period ^[2]		10 years
Energy Throughput		32MWh(25°C, 0.5C/0.5C, 70%EOL)
Certification ^[3]		UN38.3, IEC62619, CE, CEI 0-21, VDE2510-50, CEC

[1] The current is affected by temperature and SOC.

[2] Conditions apply, refer to Deye Warranty Letter.

[3] Made in China

Introduction

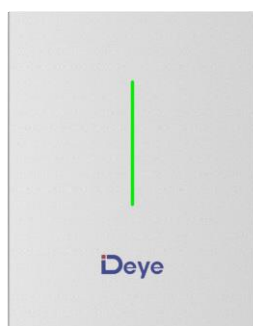
This series lithium iron phosphate battery is one of new energy storage products developed and produced by Deye, it can be used to support reliable power for various types of equipment and systems.

This series is especially suitable for application scene of high power, limited installation space, restricted load-bearing and long cycle life.

This series has built-in BMS battery management system, which can manage and monitor cells information including voltage, current and temperature. What's more, BMS can balance cells charging to extend cycle life. Multiple batteries can connect in parallel for larger capacity and longer power supporting.



Left view

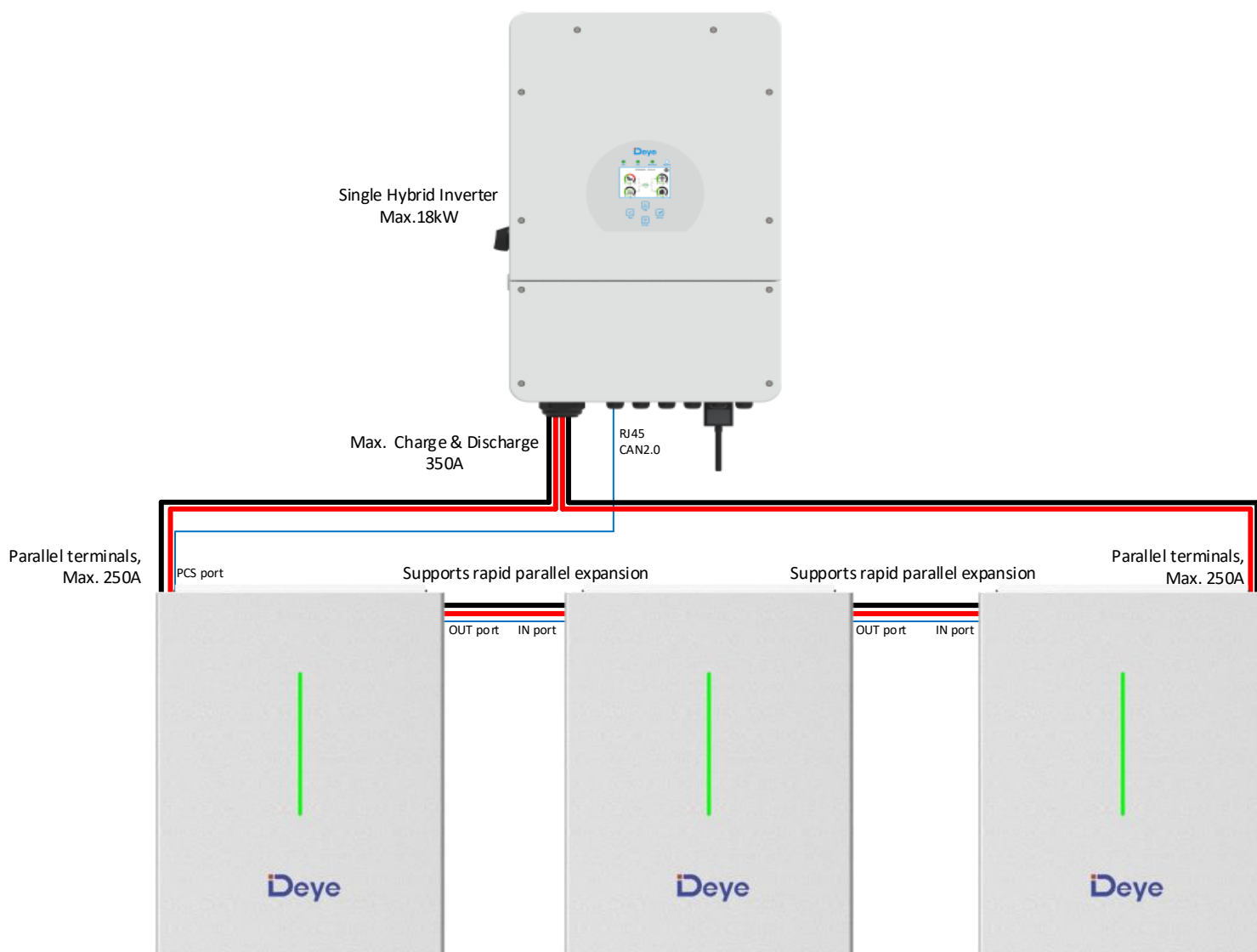


Front view



Right view

System Topology Reference



BOS-G



◆ Convenient

Quick installation standard of 19-inch embedded designed module is comfortable for installation and maintenance.

◆ Safe and reliable

Cathode material is made from LiFePO₄ with safety performance and long cycle life, The module has less self-discharge, up to 6 months without charging it on shelf, no memory effect, excellent performance of shallow charge and discharge.

◆ Intelligent BMS

It has protection functions including over-discharge, over-charge, over-current and over-high or low temperature. The system can automatically manage charge and discharge state and balance current and voltage of each cell.

◆ Eco-friendly

The whole module is non-toxic, non-polluting and environmentally friendly.

◆ Flexible configuration

Multiple battery modules can be in parallel for expanding capacity and power. Support USB upgrade, wifi upgrade(optional), remote up grade(Compatible with Deye inverter).

◆ Wide temperature

Working temperature range is from -20°C to 55°C, with excellent discharge performance and cycle life.

Model

BOS-GX(X=3,4,5,6,7,8,9,10,11,12)

Main Parameter

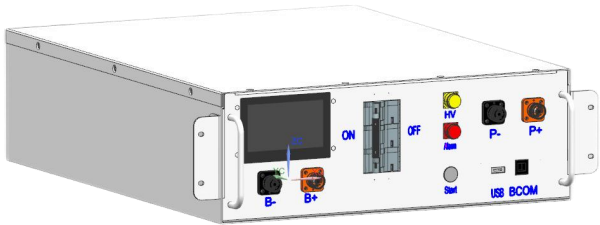
Cell Chemistry		LiFePO4								
Module Energy (kWh)		5.12								
Module Nominal Voltage (V)		51.2								
Module Capacity (Ah)		100								
Battery Module Number	BOS-G15	BOS-G20	BOS-G25	BOS-G30	BOS-G35	BOS-G40	BOS-G45	BOS-G50	BOS-G55	BOS-G60
Battery Module Qty In Series (Optional)	3	4	5	6	7	8	9	10	11	12
System Nominal Voltage (V)	153.6	204.8	256	307.2	358.4	409.6	460.8	512	563.2	614.4
System Operating Voltage (V)	124.8~175.2	166.4~233.6	208~292	249.6~350.4	291.2~408.8	332.8~467.2	374.4~525.6	416~584	457.6~642.4	499.2~700
System Energy (kWh)	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44
System Usable Energy (kWh) ¹	13.82	18.43	23.04	27.64	32.25	36.86	41.47	46.08	50.68	55.29
Rated DC Power	15.36	20.48	25.6	30.72	35.84	40.96	46.08	51.2	56.32	61.44
Charge/Discharge ² Current (A)	Recommend 50									
	Nominal 100									
	Peak Discharge (2 mins, 25°C) 125									
Working Temperature (°C)		Charge: 0~55/Discharge: -20~55								
Status Indicator		Yellow: Battery High Voltage Power On Red: Battery System Alarm								
Communication Port		CAN2.0/ RS485								
Humidity		5%~85%RH								
Altitude		≤2000m								
IP Rating of Enclosure		IP20								
Dimension (W/D/H,mm)			530*602*1599				530*602*2187			
Weight Approximate (kg)			408				594			
Installation Location		Rack Mounting								
Storage Temperature (°C)		0~35								
Recommend Depth of Discharge		90%								
Cycle Life		25±2°C,0.5C/0.5C, EOL70%≥6000								
Warranty ³		10 years								
Certification		CE/IEC62619 /VDE2510-50/ UL1973 /UL9540A/UN38.3								

1. DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.
2. The current is affected by temperature and SOC.
3. The warranty is due whichever reached first of warranty period or life cycle power.
4. Made in China.

Model	Description
-------	-------------

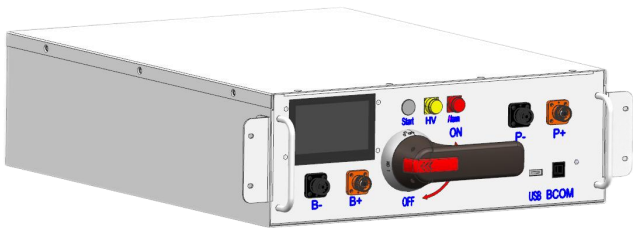
HVB750V/100A-EU	High Voltage Battery cluster control box conforming to European or British Standards
-----------------	--

Operating Voltage	120~750Vdc
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Operating Temperature Range	-20~65°C
Ingress Protection	IP20
Dimension (W/D/H)	440*570*150mm
Weight Approximate	15.5kg



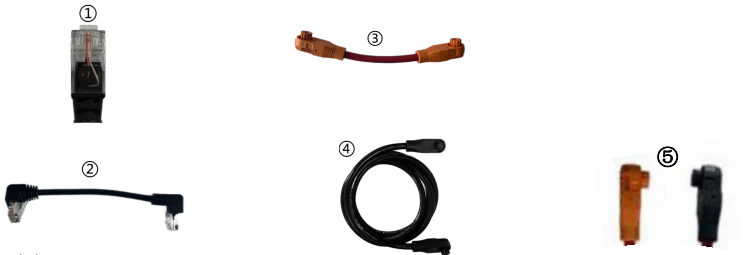
HVB750V/100A-US	High Voltage Battery cluster control box conforming to North American Standard
-----------------	--

Operating Voltage	120~750Vdc
Nominal Charge/Discharge Current	100A
Max.Charge/Discharge Current	125A
DC Input Rating	12±2%V/4.15A
Operating Temperature Range	-20~65°C
Ingress Protection	IP20
Dimension (W/D/H)	440*570*150mm
Weight Approximate	17kg



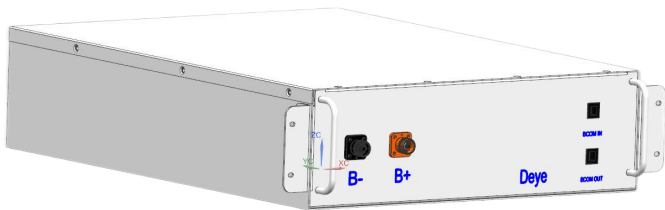
High voltage box Standard configuration:

- ① 120 ohm terminal resistance
- ② 140mm communication cable
- ③ 220mm power cable
- ④ 1.5m power cable (US Version)
- 2.1m power cable (EU Version)
- ⑤ Power plug



BOS-GM5.1	5.12 kwh battery module
-----------	-------------------------

Battery Type	LiFePO4(LFP)
Nominal Voltage	51.2Vdc
Rated Capacity	100Ah
Rated Energy	5.12kWh
Nominal Charge/Discharge Current	100A
Peak.Discharge Current	125A
Charge Temperature	0~55°C
Discharge Temperature	-20°C~55°C
Storage Temperature	0°C~35°C
Ingress Protection	IP20
Dimension (W/D/H)	440*570*133mm
Weight Approximate	44kg



Battery module Standard configuration:

- ① 110mm communication cable
- ② 200mm power cable



EPCable5.0(Optional)	Standard 5-meter power cable connected to the positive pole of the external PCS
----------------------	---

1000V/4AWG cable



ENCable5.0(Optional)	Standard 5-meter power cable connected to the negative pole of the external PCS
----------------------	---

1000V/4AWG cable



Model	Description
EPWR Cable5.0(Optional)	Standard 5-meter cable connected to external 12VDC power supply



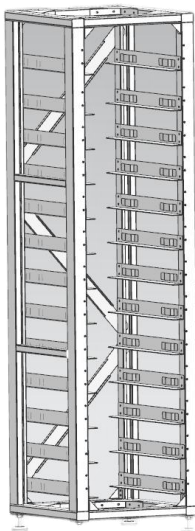
ECOM Cable5.0(Optional)	Standard 5-meter communication cable connected to the external device
-------------------------	---



3U-HRACK(Optional)	Standard 19inch rack, caninstall 12 pcs batteries and 1 pcs High Voltage Battery cluster control box
--------------------	--

Dimension (W/D/H)
Weight Approximate

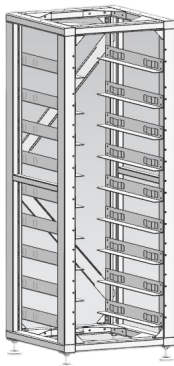
589*590*2240mm
85kg



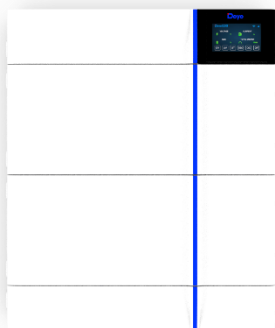
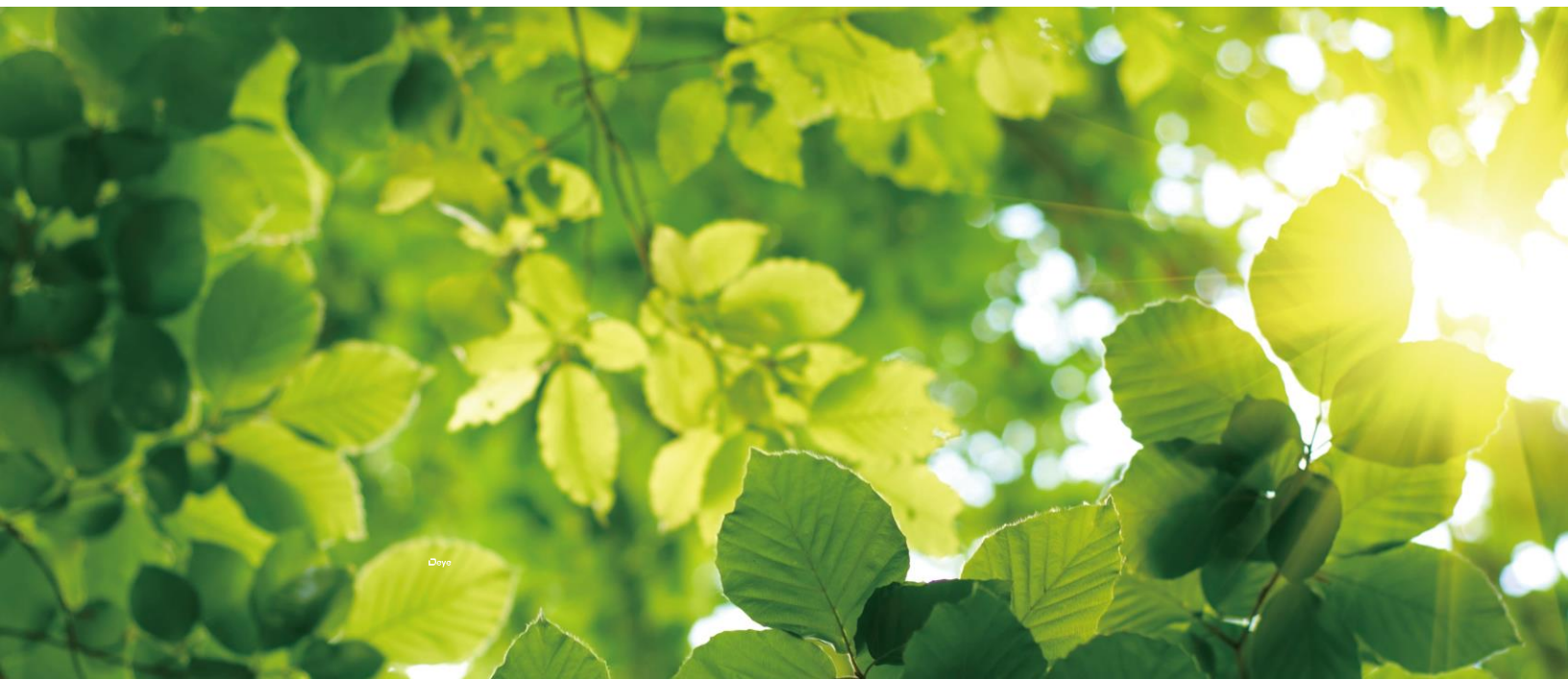
3U-LRACK(Optional)	Standard 19inch rack, caninstall 8 pcs batteries and 1 pcs High Voltage Battery cluster control box
--------------------	---

Dimension (W/D/H)
Weight Approximate

589*590*1640mm
65kg



GB-L



- ◆ **Safety**

Built in explosion relief device to dredge gas, and built in fire protection device to cut off the fire source for 3 seconds

- ◆ **High-voltage stack**

Modules are connected in series without cable connection, and high-voltage platform improves system efficiency.

- ◆ **Thermal management**

Temperature detection of key parts, cell, power plug-in, etc.

- ◆ **Wide temperature operation**

The heating function is optional to meet the application scenarios with low temperature and no sense.

- ◆ **Environmental friendliness**

IP protection grade 65, anti-corrosion grade $\geq C2$, environmental protection battery.

- ◆ **Intelligent and visual**

Support remote upgrade, real-time battery warning information push, LCD data display.

Model		GB-L				
Main Parameter						
Cell Chemistry		LiFePO4				
Module Energy(kWh)		4.09				
Module Nominal Voltage (V)		102.4				
Module Capacity(Ah)		40				
Battery Module Qty InSeries (Optional)		2	3	4	5	6
System Nominal Voltage (V)		204.8	307.2	409.6	512	614.4
System Operating Voltage (V)		166.4~700				
System Energy (kWh)		8.18	12.27	16.36	20.45	24.56
System Usable Energy (kWh) ¹		7.36	11.04	14.72	18.40	22.10
Charge/Discharge ² Current (A)	Recommend	20				
	Nominal	40				
	Peak Discharge (2 mins,25°C)	50				
Working Temperature(°C)		Charge: 0~55/Discharge: -20~60				
LCD Display		SOC%,Power,Total Voltage				
Communication Port		CAN2.0,RS485				
Humidity		5%~90%				
Altitude		≤2000m				
IP Rating of Enclosure		IP65				
Storage Temperature(°C)		0~35				
Dimension (W/D/H,mm)		540*385*650	540*385*870	540*385*1090	540*385*1310	540*385*1530
Weight(kg)		97	136	175	214	253
Installation Location		Floor Mount				
Recommend Depth of Discharge		90%				
Cycle Life		25±2°C,0.5C/0.5C,EOL70%≥6000				
Warranty ³		10years				
Certification		CE/IEC62619 /VDE2510-50/ UL1973/UL9540A/UN38.3				

1 DC Usable Energy, test conditions: 90% DOD, 0.2C charge & discharge at 25°C. System usable energy may vary due to system configuration parameters.

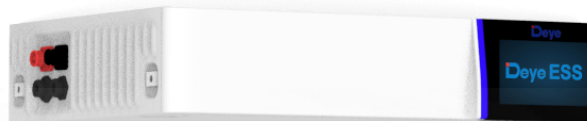
2 The current is affected by temperature and SOC.

3 The warranty is due whichever reached first of warranty period or life cycle power.

Model	Description
-------	-------------

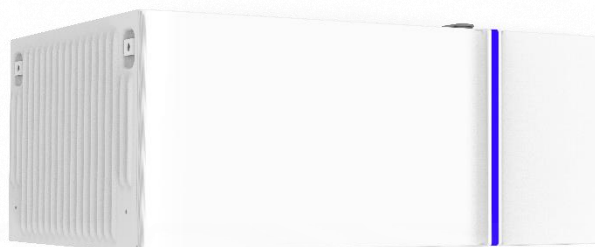
GB-LBS	High voltage battery cluster control box
--------	--

Operating Voltage	120 ~ 750Vdc
Nominal Charge/Discharge Current	40A
Max Charge/Discharge Current	50A
Operating Temperature Range	-20~65°C
Ingress Protection	IP65
Dimension (W/D/H)	540*385*110mm
Weight Approximate	12kg



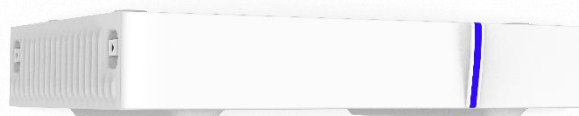
GB-LM4.0	4.09 kWh battery module
----------	-------------------------

Battery Type	LiFePO4(LFP)
Nominal Voltage	102.4Vdc
Rated Capacity	40Ah
Rated Energy	4.09kWh
Nominal Charge/Discharge Current	40A
Peak Discharge Current	50A
Charge Temperature	0~55°C
Discharge Temperature	-20°C ~ 60°C
Storage Temperature	0°C ~ 35°C
Ingress Protection	IP65
Dimension (W/D/H)	540*385*220mm
Weight Approximate	39kg



GB-LBase	Battery module base
----------	---------------------

Dimension (W/D/H)	540*385*100mm
Weight Approximate	7kg



ECOM Cable2.0	Standard 2-meter communication cable connected to the external device
---------------	---



EPCable2.0	Standard 2-meter power cable connected to the positive pole of the external PCS
------------	---

1000V/6AWG Cable



ENCable2.0	Standard 2-meter power cable connected to the negative pole of the external PCS
------------	---

1000V/6AWG Cable

