

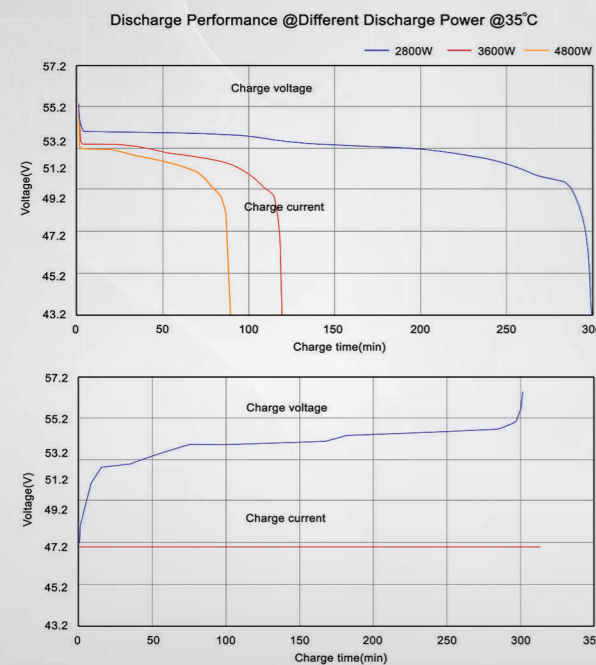


# Off-grid Energy Storage

## 20kW/45kW

### Product Features

- › 20kVA 20kWh/45kVA 90kWh
- › Plug-and-play scheme, user friendly with remote monitoring software
- › Allow three-phase input and three-phase/single-phase output
- › Reserved solar input
- › Portable with a forklift
- › Emission free and low noise level
- › 415V 50A/100A passthrough capacity



### Main Performance and Characteristics

Output (415/240 V 50Hz 3φ)		Input	
Continuous AC (Inverter)	20kVA/45kVA	AC1 Maximum Input 3φ	63A/125A
Inverter Peak Power (5s)	20kW/45kW	AC2 Maximum Input 3φ (Emergency Charge)	32A
Bypass Capacity	415V 50A/100A	System Bypass Capacity	415V 50A/100A
Output		Instruments, Controls & Connections	
AC1 1φ 240V 10A/20A		Input Connection (AC1 & AC2)	IEC 60309 or Hardwire Stud
AC2 1φ 240V 10A		(AC2) - <u>20kW only</u>	3φ 400V IEC 60309 or Hardwire Stud
AC3 3φ 415V 32A/ AC3 1φ 240V 20A		Output Connection AC - <u>20kW only</u>	3φ 400V IEC 60309 or Hardwire Stud
AC4 3φ 415V 63A/ AC4 1φ 240V 32A		Cascade Ready	√
AC5 3φ 415V 32A - <u>45kW only</u>		Real-time System Status Control Panel	√
AC6 3φ 415V 63A - <u>45kW only</u>		Battery Condition	√
Dimensions		Battery Main Isolator	√
Length (mm)	1200/1700	Input & Output MCB's	√
Height (mm)	900/1260	Programmable Gen Auto-start Signal	√
Width (mm)	900/960	High-capacity System Bypass	• BPS
Mass (kg)	350/1200	Free Air-cooling Pack	• FA
Ingress Protection Rating	IP56 Suitable for Outdoor Environment	Optional Feature	
Standard Finish	Brilliant Blue RAL 5007	Integrated MPPT Solar Charge Controller	• PV
Noise Level	Inaudible above Background		
Standard Battery Options			
Battery Type	LiFePO <sub>4</sub>		
Battery Design Life	3500 Cycles @85% DoD		
Nominal Battery Capacity	400Ah/1800Ah@0.2C, 35°C (4800Wh@0.2C, 35°C)		
Useable Stored Energy	20kWh/90kWh		