C&I ENERGY STORAGE BATTERY MODULE

CHAKRA 16-HX

High Voltage 96.46 kWh ~ 241.15 kWh

UN 38.3 IEC



Features

Flexible Expansion
96-241 kWh capacity range

Long Life
LFP cells with 8,000+ cycles.

Easy Installation
Cable-free connection between modules; plug-and-play installation.

Smart Monitoring
Supports dual access via local Bluetooth and a remote cloud platform, with 24/7 real-time monitoring, fault diagnosis, and remote upgrades.

Scenarios


Industrial Parks


Commercial Parks


Livestock Farms


Farms


Manufacturing Bases

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DATASHEET

Model	CHAKRA 16-HX				
Battery Module					
Battery Type	LFP; 3.2 V / 314 Ah				
Nominal Battery Energy	16.07 kWh				
Nominal Capacity	314 Ah				
Nominal Voltage	51.2 V				
Continuous Current	157 A				
Dimensions (W × D × H)	825 × 440 × 254.5 mm				
Weight	100 kg				
Battery System Data					
Nominal Battery Energy	16.07 kWh				
Battery Module Quantity in Series (Optional)	6	7	8	9	10
	11	12	13	14	15
Battery Model Number	CHAKRA 16-H6	CHAKRA 16-H7	CHAKRA 16-H8	CHAKRA 16-H9	CHAKRA 16-H10
	CHAKRA 16-H11	CHAKRA 16-H12	CHAKRA 16-H13	CHAKRA 16-H14	CHAKRA 16-H15
System Nominal Voltage	307.2 V DC	358.4 V DC	409.6 V DC	460.8 V DC	512 V DC
	563.2 V DC	614.4 V DC	665.6 V DC	716.8 V DC	768 V DC
System Energy	96.46 kWh	112.53 kWh	128.61 kWh	144.69 kWh	160.76 kWh
	176.84 kWh	192.92 kWh	208.99 kWh	225.07 kWh	241.15 kWh
Charge/Discharge C-Rate	0.5 C				
Recommended Depth of Discharge	95 %				
Charging Temperature Range	0 °C to 55 °C				
Discharging Temperature Range	-20 °C to 55 °C				
Ingress Protection Rating	IP20				
Communication	CAN / RS-485				
Cycle Life	≥ 8,000 cycles (25 ± 2 °C, 0.5P / 0.5P, 70 % SOH)				
User Interface	Wi-Fi + app				
FFS	Aerosol				
Cooling Method	Forced-air cooling				
Installation	Cable-free stacking				
Expansion	Expandable up to 144 PACKs				
Operating Humidity	0 % to 85 % RH				
Operating Altitude	≤ 3,000 m				
Certification and Safety Standard	UN 38.3 / IEC				
Noise	≤ 60 dB at 25 °C, measured at 1 m				
Compatible Inverters	ATESS, Deye, Growatt, Megarevo, Solinteg, Solis, FOX				

SYSTEM DIAGRAM

