C&I ENERGY STORAGE BATTERY MODULE

CHAKRA 7.8-HX

High Voltage 15.6 kWh ~ 93.69 kWh

UN 38.3 IEC



Features

Flexible Expansion
15.6–93.69 kWh capacity range

Long Life
LFP cells with 6,000+ 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, providing 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 7.8-HX					
Battery Module						
Battery Type	LFP; 3.2 V / 122 Ah					
Nominal Battery Energy	7.8 kWh					
Nominal Capacity	122 Ah					
Nominal Voltage	64 V					
Continuous Current	122 A					
Dimensions (W × D × H)	780 × 440 × 195 mm					
Weight	50 kg					
Battery System Data						
Nominal Battery Energy	7.8 kWh					
Battery Module Quantity in Series (Optional)	2	3	4	5	6	7
	8	9	10	11	12	
Battery Model Number	CHAKRA 7.8-H2	CHAKRA 7.8-H3	CHAKRA 7.8-H4	CHAKRA 7.8-H5	CHAKRA 7.8-H6	CHAKRA 7.8-H7
	CHAKRA 7.8-H8	CHAKRA 7.8-H9	CHAKRA 7.8-H10	CHAKRA 7.8-H11	CHAKRA 7.8-H12	
System Nominal Voltage	128 V DC	192 V DC	256 V DC	320 V DC	384 V DC	448 V DC
	512 V DC	576 V DC	640 V DC	704 V DC	768 V DC	
System Energy	15.61 kWh	23.42 kWh	31.23 kWh	39.04 kWh	46.84 kWh	54.65 kWh
	62.46 kWh	70.27 kWh	78.08 kWh	85.88 kWh	93.69 kWh	
Charge/Discharge C-Rate	0.5 C					
Charge/Discharge C-Max	1 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	≥ 6,000 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	Up to 10 clusters in parallel					
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

