

RESIDENTIAL BATTERY

CHAKRA 2.5-HX Pro

High Voltage 5.12kWh~25.6kWh

UN38.3 



Features



Plug&Play Installation,
Less Wiring



Top-Notch LFP Class A Cell
/ Strict Capacity Grading



IP65-Certified, Suitable for
More Outdoor Applications



Modular Design, 5 - 25 kWh
Flexible Configuration



Precise Voltage / Temperature
/ SOC Detection



Build in Wifi for Monitoring and
Firmware Update



LCD Display Shows
Data Visually



Scenarios



Houses



Off-grid Cabins



Small Stores



Small Offices



Small Farms

DATASHEET

Model	CHAKRA 2.5-H2 Pro CHAKRA 2.5-H7 Pro	CHAKRA 2.5-H3 Pro CHAKRA 2.5-H8 Pro	CHAKRA 2.5-H4 Pro CHAKRA 2.5-H9 Pro	CHAKRA 2.5-H5 Pro CHAKRA 2.5-H10 Pro	CHAKRA 2.5-H6 Pro
Performance					
Cell technology	LFP (LiFePO ₄)				
Battery module	2.56 kWh, 51.2 V, 30 kg (67 lbs)				
Number of modules	2	3	4	5	6
	7	8	9	10	
Battery usable energy [1]	5.12 kWh	7.68 kWh	10.24 kWh	12.8 kWh	15.36 kWh
	17.92 kWh	20.48 kWh	23.04 kWh	25.60 kWh	
System nominal voltage	102.4 V	153.6 V	204.8 V	256.0 V	307.2 V
	358.4 V	409.6 V	460.8 V	512.0 V	
System operating voltage	89.6 ~ 112.32 V	134.4 ~ 168.48 V	179.2 ~ 224.64 V	224 ~ 280.8 V	268.8 ~ 336.96 V
	313.6 ~ 393.12 V	358.4 ~ 449.28 V	403.2 ~ 505.44 V	448 ~ 561.6 V	
System Max.charge and discharge current [2]	50 A				
Recommend Depth of Discharge	90%				
Communication					
Display	LCD Display (battery operating status, SOC, alerts, etc.)				
Communication	CAN / RS485 / RS232 / Wi-Fi / LAN				
General Specification					
Dimension (W×D×H)	570×370×525 mm	570×370×665 mm	570×370×805 mm	570×370×945 mm	570×370×1085 mm
	22.4×14.6×20.6 inch	22.4×14.6×26.1 inch	22.4×14.6×31.6 inch	22.4×14.6×37.2 inch	22.4×14.6×42.7 inch
	570×370×1225 mm	570×370×1365 mm	570×370×1505 mm	570×370×1645 mm	
	22.4×14.6×48.2 inch	22.4×14.6×53.7 inch	22.4×14.6×59.2 inch	22.4×14.6×64.7 inch	
Weight	86 kg (189.60 lbs)	117 kg (257.94 lbs)	148 kg (326.28 lbs)	179 kg (394.63 lbs)	210 kg (462.97 lbs)
	241 kg (531.3 lbs)	272 kg (599.66 lbs)	303 kg (668.00 lbs)	334 kg (736.34 lbs)	
Installation	Floor stand				
Operating temperature [3]	Charge : 0 to 50°C (32 to 122°F) Discharge: -20 to 50°C (-4 to 122°F)				
Environmental humidity	≤ 95%RH (No condensation)				
Ingress protection rating	IP65				
Warranty period [4]	5 years / 10years (Optional)				
Scalability	Max. 10 modules per stack, 15 stacks in parallel				
Application	ON Grid / ON Grid + Backup / OFF grid				
Compatible inverters	Refer to compatible inverter list (Compatible with major PCS brands)				
Standard Compliance					
Compliance	UN38.3 / IEC62619 / IEC62040-1 / IEC61000-6-2 / IEC1000-6-4 / IEC62477-1 (More available upon request)				
Ordering and Delivery Parts					
Parts	CHAKRA 2.5-H Pro (Battery Pack)				
	CHAKRA 2.5-H Pro-BCU (Battery Control Unit) and battery base is packed together				

[1] Test conditions: 100% depth of discharge (DOD), 0.2C rate charge & discharge at 25°C.

[2] There is 0.5C or 1C configurations optional in factory default.

[3] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

[4] Please refer to the Warranty Letter for applicable conditions.