

**Model**

**CHAKRA 2.5 - H**



**More Usable Energy**  
100% Depth of Discharge



**Flexible Investment**  
2.5 kWh Modular Design  
Max 10 modules per stack, 4 stacks in parallel



**Safe & Reliable**  
Cobalt Free Lithium Iron Phosphate (LFP) Battery  
Maximum Safety and 6000 Cycles



**Easy Installation**  
Internal Plug Design and  
No Additional Wiring



**Quick Commissioning**  
One Button ON/OFF  
Automatic ID Assignment



**Perfect Compatibility**  
Compatible with Leading PCS brands

## DATASHEET

Model	CHAKRA 2.5-H4	CHAKRA 2.5-H5	CHAKRA 2.5-H6	CHAKRA 2.5-H7	CHAKRA 2.5-H8	CHAKRA 2.5-H9	CHAKRA 2.5-H10
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### Performance

Battery module (Wh/V)	2.5 kWh, 51.2 V, 30 kg (67 lbs)						
Number of modules	4	5	6	7	8	9	10
Cell technology	LFP (LiFePO4)						
Battery usable energy [1]	10.0 kWh	12.5 kWh	15 kWh	17.5 kWh	20.0 kWh	22.5 kWh	25.0 kWh
Nominal voltage	204.8 V	256.0 V	307.2 V	358.4 V	409.6 V	460.8 V	512.0 V
Operating voltage	182.40 - 224.64 V	228 - 280.8 V	273.6 - 336.96 V	319.2 - 393.12 V	364.8 - 449.28 V	410.4 - 505.44 V	456 - 561.6 V
Max output current	25 A (0.5C)						

### Communication

Display	SOC status indicator, LED indicator
Communication	CAN / RS485 / RS232

### General Specification

Dimension (W*D*H)	560×359×815 mm	560×359×950 mm	560×359×1085 mm	560×359×1220 mm	560×359×1355 mm	560×359×1490 mm	560×359×1625 mm
	22.1×14.2×32.1 inch	22.1×14.2×37.4 inch	22.1×14.2×42.7 inch	22.1×14.2×48.0 inch	22.1×14.2×53.4 inch	22.1×14.2×58.7 inch	22.1×14.2×64.0 inch
Weight	160 kg (352.8 lbs)	190 kg (418.9 lbs)	220 kg (485 lbs)	250 kg (551 lbs)	280 kg (617 lbs)	310 kg (683 lbs)	340 kg (750 lbs)
Installation	Floor stand						
Operating temperature [2]	-20 to 60 °C (-4 to 140 °F)						
Environmental humidity	≤ 95%RH (No condensation)						
Protection rating	IP 20						
Cycle life [3]	6000 Cycles @ 80% DOD / 25°C / 0.5C, 60% EOL						
Scalability	Max 10 modules per stack, 4 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

Certificates	UN38.3 / IEC62619 / IEC62040-1 (More available upon request)
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### Ordering and Deliverable Part

Part	CHAKRA 2.5 - H (battery module)
	CHAKRA 2.5 - BCU (BCU and base)

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

[2] Charge/discharge derating occurs when the operating temperature from -10°C to 5°C & 45°C to 55°C

[3] Condition apply. Refer to Warranty Letter