

HYBRID ESS CABINET



DN3H H3 + PowerRock

-  150A high charge/discharge current
-  Supports DC coupling
-  Comprehensive multi-layer safety
-  Wall-mounted all-in-one design
-  Intelligent remote O&M
-  Smart loads management

Hybrid ESS Cabinet



Model	DN3H 25K - H3 + PowerRock-100kWh	DN3H 40K - H3 + PowerRock-86kWh	DN3H 50K - H3 + PowerRock-100kWh
PV Input			
Max. Recommended PV Power [Wp]	50000	80000	100000
Max. PV Input Voltage [V]	1000		
Start-Up Voltage [V]	135		
Rated PV Input Voltage [V]	620		
Operating Voltage Range [V]	200-950		
No. of MPP Trackers	4		
No. of Input Strings per Tracker	2		
Max. Input Current per MPPT [A]	40		
Max. Short-Circuit Current per MPPT [A]	50		
AC Input / Output (On-Grid)			
Rated Output Power [W]	25000	40000	50000
Max. Output Current [A]	37.9	60.6	75.8
Rated AC Voltage [V]	3L / N / PE, 220 / 380; 230 / 400; 240 / 415		
Rated Frequency [Hz]	50 / 60		
Adjustable Power Factor [cos φ]	0.8 Leading ... 0.8 Lagging		
THDi [@Rated Power]	< 3%		
Max. Input Power from Grid [W]	50000	80000	80000
Max. Input Current [A]	75.8	121.2	121.2
AC Output (Off-Grid)			
Rated Output Power [W]	25000	40000	50000
Max. Output Current [A]	37.9	60.6	75.8
Rated AC Voltage [V]	3L / N / PE, 220 / 380; 230 / 400; 240 / 415		
Rated Frequency [Hz]	50 / 60		
Peak Output Apparent Power [VA]	1.5 Times of Rated Output Power,10s		
Automatic Switch Time [ms]	< 10		
Voltage Harmonic Distortion	< 3% @Linear load		
Battery			
Cell Type [Ah]	LiFePO4-280		
Pack Configuration	(1P16S) 7S	(1P16S) 6S	(1P16S) 7S
Battery Capacity [kWh]	100	86	100
Rated Battery Voltage [V]	358.4	307.2	358.4
Battery Voltage Range [V]	324.8~403.2	278.4~345.6	324.8~403.2
Max. Charging / Discharging Current [A]	150		
Max. Charging Power [W]	25000	40000	50000
Max. Discharging Power [W]	25000	40000	50000
General Parameters			
Dimension [W*H*D] [mm] ^[1]	1061 * 2358 * 1224		
Weight [kg] ^[1]	1389 ± 100	1289 ± 100	1389 ± 100
Operating Temperature [°C]	-20 ~ 50 (> 45°C Derating)		
Relative Humidity	0 ~ 95% RH (Non-Condensing)		
Altitude [m]	3000 (> 2000m Derating)		
Cooling	Inverter (Fan); Battery Cabinet (Air Conditioner)		
Degree of Protection	Inverter: IP66; Battery Cabinet: IP55		
Fire Suppression System	Aerosol		
Topology	Transformerless		
General Parameters			
Certifications	IEC 62619, IEC 63056, IEC 61000, IEC62477-1, UN 38.3, IEC 62109 EN 50549, G99, G100, NC RFG Type A ,TOR Type A		

[1] Dimensions and weight measured with inverter included.