



Powercase Single Phase Hybrid All-In-One

3.0 - 6.0kWh

EUROPEAN VERSION 

The Energizer® Powercase Single Phase is a high-performance, high-efficiency all-in one system with up to 10.4kWh of storage capacity and up to 6kW rate of continuous charge/discharge.

High Performance Three-Phase Storage

- 97.8% max. efficiency
- High charging/discharging efficiency
- Plug and play installation with built-in fuse protections
- EPS function for off-grid and emergency power
- Expandable storage capacity
- Optional export control
- All-In-One design
- RS485, WiFi/LAN/GPRS (optional)
- Enhanced safety features
- Wide voltage range / low start-up voltage
- Android & iPhone apps available



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Easy Installation



High Performance



IP65 Rated



Remote Monitoring

MODEL INPUT	PC3.0HS	PC3.7HS	PC4.6HS	PC5.0HS	PC6.0HS
PV INPUT					
Max. Input Power [W]	3900	4680	5980	6500	7800
Max. Input Voltage [V]			600		
Start-up Input Voltage [V]			75		
Rated Input Voltage [V]			360		
MPPT Operating Voltage Range [V]			80-550		
Max. Input Current [A]			13.5/13.5		
Max. Short-circuit Current [A]			15/15		
No. of Independent MPP Trackers			2		
No. of Strings Per MPP Tracker			1		
BATTERY CONNECTION					
Battery Type	Lithium Battery (LFP)				
Battery Voltage [V]	85-234				
Max. Charge/Discharge Current [A]	40				
Communication Interface	CAN (Communicate with Inverter), RS485 (Upgrade BMS)				
AC INPUT AND OUTPUT (GRID)					
Max. AC Input Power [VA]	7000	7680	9600	10000	12000
Max. AC Input Current (per phase)[A]	31.8	34.9	43.6	45.5	54.5
Rated Output Power [W]	3000	3680	4600	5000	6000
Max. Output Apparent Power [VA]	3300	4080	5060	5500	6600
Rated Output Current (per phase)[A]	13.0	16.0	20.0	21.7	26.1
Max. Output Current [A]	14.3	17.6	22.0	23.9	28.7
Rated Grid Voltage [V]	3L/N/PE 380/220; 400/230; 415/240				
Rated Grid Frequency [Hz]	50/60				
Power Factor	1 (adjustable from 0.8 leading to 0.8 lagging)				
THDi	<3% @rated power				
EPS OUTPUT					
Max. Output Apparent Power [VA]	5000	5000	6000	6000	6000
Peak Output Apparent Power [60s][VA]	6000	6000	7200	7200	7200
Max. Current (per phase)[A]	21.7	21.7	26.1	26.1	26.1
Rated Output Voltage [V]	3L/N/PE 400/230				
Rated Output Frequency [Hz]	50/60				
Power Factor	1 (adjustable from 0.8 leading to 0.8 lagging)				
THDi (linear load)	<2% @rated power				
SwitchTime [ms]	<20				
EFFICIENCY					
Euro Efficiency	97.00%				
Max. Efficiency	97.80%				
Max. Battery Charge Efficiency (PV to BAT)(@full load)	98.50%				
Max. Battery Discharge Efficiency (PV to BAT)(@full load)	97.00%				
PROTECTION					
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
DC Reverse Polarity Protection	YES				
Anti-islanding Protection	YES				
AC Short-circuit Protection	YES				
AC Overcurrent/Overvoltage Protection	YES				
DC Switch	YES				
SFD	DC: Type II / AC: Type III				
STANDARD					
Safety	EN 62109-1, EN 62109-2				
EMC	EN 61000-6-2, EN 61000-6-3				
Certification	EN50549-1, C10/11, VDE-AR-N 4105, G98, G99, CEI 0-21, NRS 097-2-1, AS/NZS 4777.				
PROTECTION					
Dimensions (WxHxD)[mm]	630*1662*389				
Weight [kg]	78				
Installation	Floor Mounted				
Topology	Transformerless				
Cooling Method	Natural				
Noise Emission [dB]	35				
Max. Operating Altitude [m]	2000				
Operating Temperature Range [°C]	-25 to 60				
Humidity [No Condensation]	0% to 100%				
Protection Degree	IP65				
Standby Consumption [W]	<10				
Monitoring Module	Wi-Fi, LAN, 4G, GPRS (optional)				
Communication	2*RS485, DRM, Ripple Control, USB				
Display	LCD, App, Website				
Warranty	10 Years				