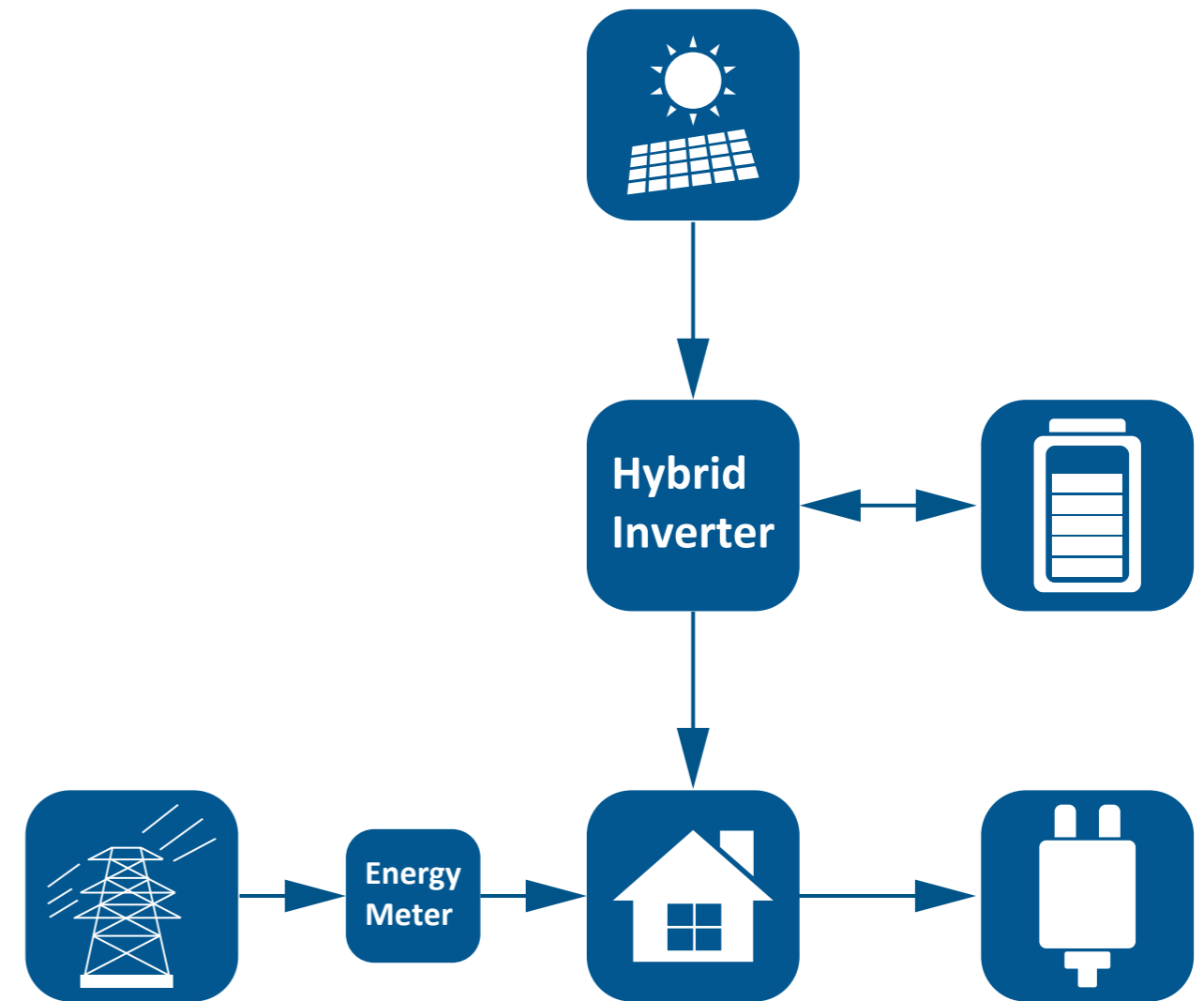


GEatom Series	306KHF-100	306KTL	318KTL	320KTL
Input (DC)				
Operating Voltage Range [Vdc]	40-100	200-800	250-800	250-800
Charging Upper Limit Voltage [Vdc]	Being adjustable within input voltage range			
Discharging Cut-off Voltage [Vdc]	Being adjustable within input voltage range			
Max. DC Discharging Current [A]	60	20	40	45
Max. DC Charging Current [A]	45	20	40	45
Output (AC)				
Continuous Output Power [kW]	5.7	5.8	17.8	20
Max. Output Power [kW]	6.0	6.0	18.0	20
Nominal Output Voltage [Vac]	400	400	400	400
No. of feed-in phases	3	3	3	3
Operating Output Voltage Range [Vac]	324-436, 437-460 (<10min.)			
AC Voltage Frequency Range [Hz]	47.55-51.45 (50 rated)			
Nominal Output Current [A]	8.3	8.7	26.1	29
Max. Output Current [A]	9.0	9.6	28.7	31.9
Power Factor [λ]	[-0.95, 0.95]	[-0.95, 0.95]	[-0.95, 0.95]	[-0.95, 0.95]
Standby Power Consumption [W]	<15	<15	<15	<15
THDi (100% Full Power)	<3%	<3%	<3%	<3%
Efficiency				
Max. Charging / Discharging Efficiency	$\geq 93.5\%$	$\geq 96.5\%$	$\geq 97\%$	$\geq 97\%$
Certificate				
Standard	VDE-AR-N 4105, IEC 62477			
Battery				
Battery Type	Li-Ion / Lead-acid / FLA / NiCd			
General data				
Topology	High frequency isolated transformer	Transformerless	Transformerless	Transformerless
Heat Dissipation	Forced air cooling			
Dimensions (W x H x D) [mm]	513 x 610 x 240	408 x 548 x 231	540 x 670 x 275	540 x 670 x 275
Weight [kg]	<30	<26	<48	<48
IP Protection Class	IP 20	IP 65	IP 65	IP 65
Noise Emission [dB]	<55			
Installation Mode	Wallmounted			
Operating Temperature Range [°C]	-25 to 60 (>45 derating)			
Humidity	0-90%	0-95%	0-95%	0-95%
Altitude [m]	2000 (no derating)			
Hazard Substance Restriction	Lead free, complied with RoHS GP2			
Communication	USB / RS485			
Display	NA	LCD	LCD	LCD
Protective Devices				
AC short-circuit / AC overload	√	√	√	√
DC reverse Polarity Protection	√	√	√	√
DC fuse	√	√	√	√
DC Switch	-	√	√	√
Surge Protection	√	√	√	√

Powervortex Series Hybrid Inverter



DC coupling solutions
For new PV storage system installation