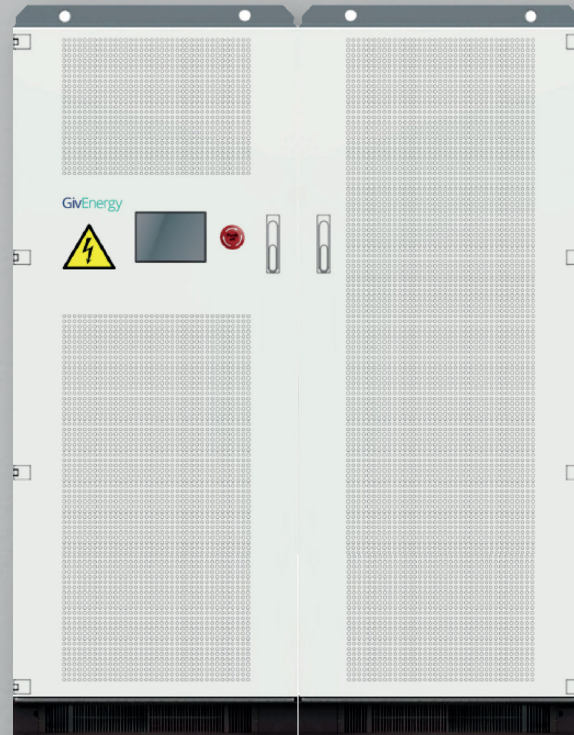


PCS (with Transformer)



Flexible Control

Control and monitor the system via GivEnergy cloud or via an external signal.



Adjustable Power Rating

With our EMS, control the charge and discharge rates based on pre-defined parameters.



Industrial & Commercial

Suitable for a wide range of applications. Can be installed internally or in a custom built container.



Modular Design

Need a larger capacity? Modular design allows for multiple units to be installed in parallel.

Our PCS provides a wide range of operating modes to meet the requirements of your installation.

Compatible with our high voltage battery packs, almost any size of storage capacity is possible. Built in black start functionality can provide resilience to site with power supply taken from both AC and DC to ensure it can always stay energised.

DC Voltage Range
300 - 800 VDC

AC Voltage Range
320 - 460 VAC

Maximum Efficiency
98.7 %

MODEL	GIV-030T	GIV-050T	GIV-100T	GIV-150T	GIV-250T	GIV-500T
DC (Battery)						
Battery Voltage Range	300V - 850V			400V - 850V		500V - 850V
Max. Current	43A	167A	334A	501A	570A	1200A
AC (On-grid)						
Max. Output Power	33kVA	55kVA	110kVA	165kVA	275kVA	550kVA
Rated Power	30KW	50KW	100KW	150KW	250KW	500KW
Rated Voltage	400V					
Voltage Range	320V - 460V					
Rated Current	43A	72A	144A	216A	361A	722A
Max. Output Current	48A	80A	160A	240A	400A	800A
Rated Frequency	50 / 60Hz					
Frequency Range	45 - 55 / 55 - 65Hz					
THDI	<3%					
PF	1 lagging - 1 leading					
AC Connection	3 L + N + PE					
AC (Off-grid)						
Rated Voltage	400V					
THDU	<1% linear <5% non-linear					
Rated Frequency	50 / 60Hz					
Overload Capability	110%-continuous					
General Information						
Efficiency	96.3%	96.5%	97.1%	97.2%	97.3%	97.5%
Protection Degree	IP21					
Noise Emission	<65dB					
Operation Temperature	-30°C - 55°C					
Cooling	Forced Air					
Relative Humidity	0-95% non-condensing					
Max. Altitude	5000m (derated above 3000m)					
Dimensions (WxDxH)	800 x 800 x 2050 (mm)				1200 x 800 x 2050 (mm)	1600 x 1050 x 2050 (mm)
Weight	600Kg	650Kg	910Kg	950Kg	1350Kg	2460Kg
Transformer	Yes					
Self-consumption	<10W					
On/off Grid Transfer	Manual (default) - Automatic (Optional)					
Communication						
Display	Touch Screen LCD					
BMS Interface	RS485/CAN					
Device Interface	RS485, TCP/IP					
Certificates	CGC TUV					