



New



SVT Series

Grid Tie Photovoltaic Inverters

Make your installation efficient and reliable



GE imagination at work



Grid tie photovoltaic inverter

SVT Series

By taking care of an accurate power conversion from solar to local grid, photovoltaic inverters SVT use conversion process with minimal power loss and maximum reliability.

Characteristics

- Waterproof design, IP65
- Built-in MPPT boosters increase overall efficiency
- Two independent MPPT boosters for 4 & 5kW units
- Compact size
- Fanless cooling system provided to guarantee quiet operation
- Advanced Control Technology delivers accurate data
- Easy connexions by plug & play with MC4 connectors
- DC cables included, Easy to install to save time and money
- Communications RS232 and Ethernet
- 5 years warranty with possibility of extension
- Monitoring software provided to offer operational status and electricity generated data

Applications



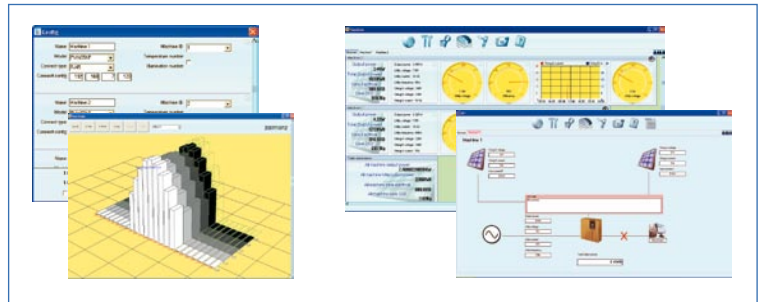
Compliances

CE marking **RoHS** directive


VDE 0126-1-1
RD1663 and DK5940

Software

- SVT software is available with your inverter or in GE C&I website : www.gepowercontrols.com.
- Process real time data from each inverter or the total system with status and measurement informations
- Wide range of analysis options (daily, monthly and annual generation trend graphs, CO2 savings, monetary yield...).
- Clear display of several photovoltaic systems
- Allows quick diagnostic when the system is not operating properly
- Setup and configuration of instant e-mail and sms notifications of errors and events



SVT Series - Grid tie photovoltaic inverter

	Rated AC power (W)	Max. AC power output (W)	DC Input		AC Output		Cat. no.	Ref. no.	Pack
			Nr. of input connections	Max. current for each connection (A)	Rated AC current (A)	Max. AC current (A)			
	2000	2200	1	14.6	8.7	10.2	PVIN02KS	817502	1
	3000	3300	1	22	13	15.3	PVIN03KS	817503	1
	4000	4200	2	14	17.4	20.4	PVIN04KS	817504	1
	5000	5300	2	17.65	21.7	25.5	PVIN05KS	817505	1

Technical characteristics

Cat. no.		PVIN02KS	PVIN03KS	PVIN04KS	PVIN05KS
Ref. no.		817502	817503	817504	817505
Rated AC power	(W)	2000	3000	4000	5000
Maximum AC power output	(W)	2200	3300	4200	5300
Inverter technology		High frequency PWM without transformer			
DC input					
Maximum voltage		500VDC			
Nr. of input connection		1	1	2	2
Max. current for each connection	(A)	14.6	22	14	17.65
MPPT range	(VDC)	150 to 450			
AC output					
Phase/Wire		1-phase/2-wires (LN) or 1-phase/3-wires (LNG)			
Rated AC voltage	(VAC)	230VAC adjustable to 200/208/220/230/240			
Rated voltage	(VAC)	230VAC (184VAC to 253VAC)			
Rated frequency	(Hz)	50 or 60			
Rated AC current	(A)	8.7	13	17.4	21.7
Maximum AC current	(A)	10.2	15.3	20.4	25.5
Current distortion		Total harmonic current: less than 5% Single harmonic current: less than 3%			
Power factor		>0.99 with nominal AC current			
Efficiency data					
Euro efficiency	(%)	94 Euro efficiency = 0.03±5% + 0.06±10% + 0.13±20% + 0.1±30% + 0.48±50% + 0.2±100%			
Max. convection efficiency	(%)	96			
Environmental					
Operating temperature	(°C)	-25 to +50			
Humidity	(%)	30 to 90% (without condensation)			
Mechanical					
Protection class		IP65. Outdoor			
Cooling		Fanless			
Protection					
Utility		Over/Under voltage, Over/Under frequency, Ground fault, DC isolation fault			
Islanding operation detection		Passive: Voltage phase jump detection Active: Reactive power control			
Short-circuit		DC input: Input diode / Electronic circuit AC output: Output relay / Electronic circuit			
EPO		Emergency Power Off: Inverter shuts down immediately			
Communication					
Interface		Standard: RS232, Ethernet Optional: RS485, USB, Dry contact			

Dimensions

Cat. Nr.	Dimensions			Weight (kg)
	Heigh (mm)	Width (mm)	Depth (mm)	
PVIN02KS/PVIN03KS	484	455	170	25
PVIN04KS/PVIN05KS	564	455	170	29

GE dedicated product ranges for solar/photovoltaic applications



MCBs as loadbreak disconnectors

- Compact design
- High voltage 880Vdc upto 63A
- Safety lock with padlocking bracket
- Add-on devices for remote signalization and tripping



Surge arresters

- Surge arresters Classe 1 and 2
- Up to 80kA
- Available for AC and DC applications



DC Switches

- Ready to install, pre-wired for DC applications
- High voltage 1000Vdc upto 100A
- Padlockable
- Clear identification of inputs and outputs



Universal polyester cabinets and enclosures

- Indoor and outdoor use
- Appropriate for outdoor use thanks to the high protection degree IP66 - ARIA
- IP55 - Fix-o-Rail 55



Reconnection systems TeleREC Solar

- Compatible with MCB's Series EP100UC
- Status indicator
- Easy connection
- Auxiliary contact built-in
- Secure
- Full awareness

www.ge.com/eu/powerprotection
www.gepowercontrols.com

GE POWER CONTROLS Ltd
Houghton Centre
Salthouse Road
Northampton NN4 7EX
United Kingdom

Customer Service
Tel. 0800 587 1251
Fax 0800 587 1239
E-mail: gepcuk@gepc.com

GE CONSUMER & INDUSTRIAL HUNGARY
Váci út 77
H-1340 Budapest
Hungary

Customer Service
Tel. +361 447 6046
Fax +361 447 5060
E-mail: mea.export.consind@ge.com
Net: www.gepowershop.com

GE CONSUMER & INDUSTRIAL
POWER PROTECTION
Nieuwevaart 51
B-9000 Gent
Belgium

Tel. +32/9 265 21 11
Fax +32/9 265 28 00
E-mail: gepcb@gepc.com



GE imagination at work