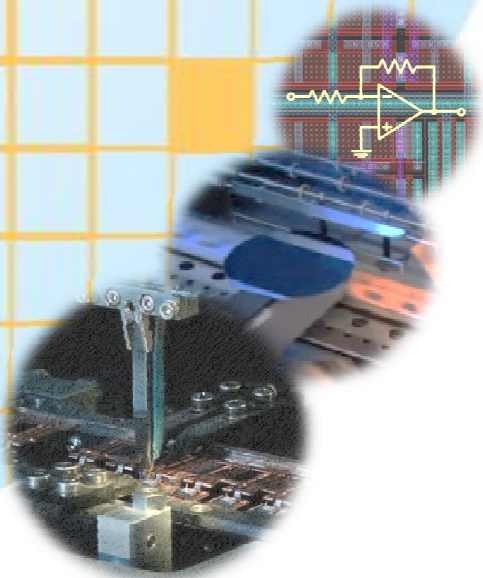


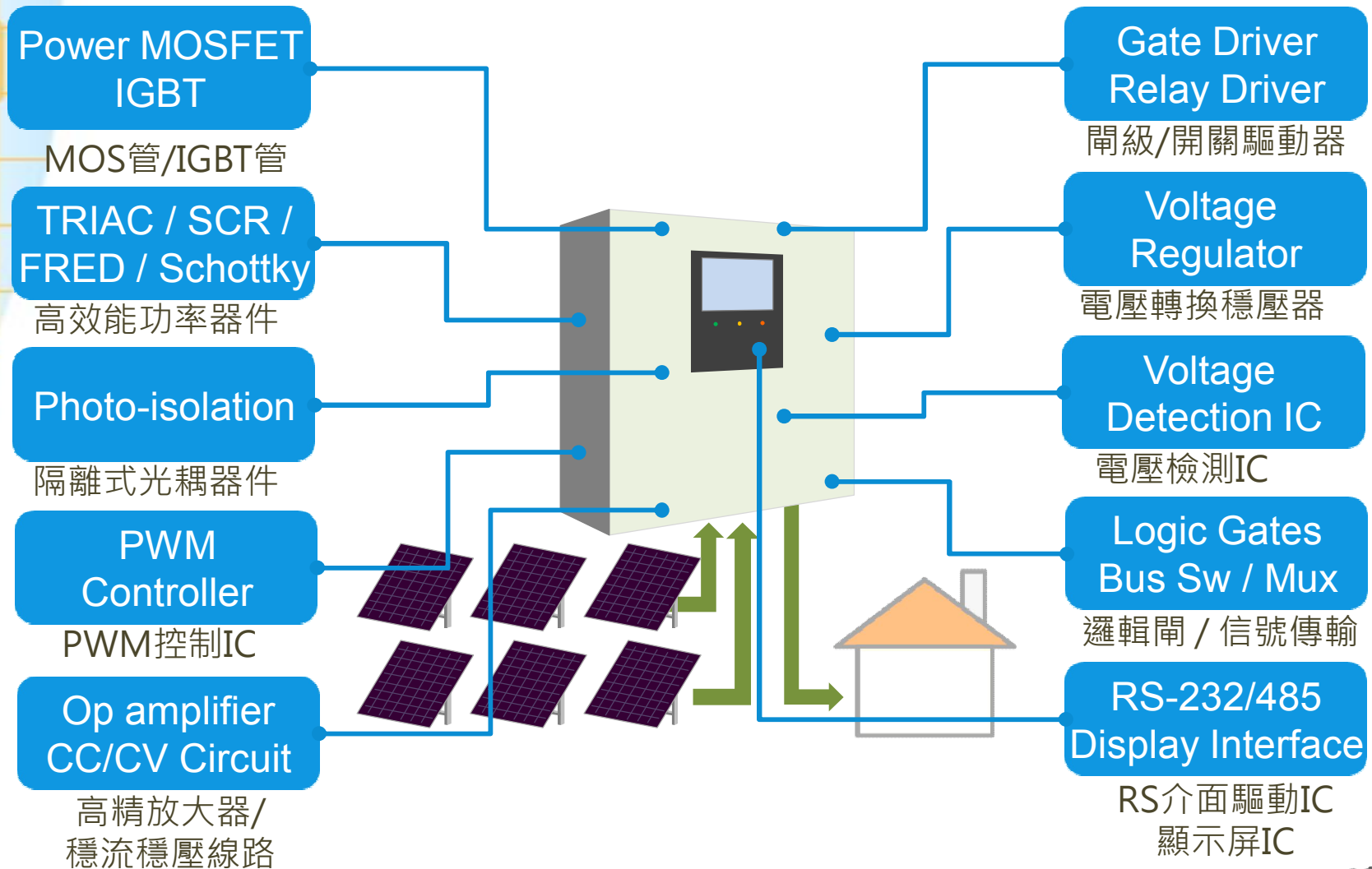


Unisonic Technologies

Product Introduction



Parts in Solar Inverter





Parts in Solar Inverter

Category	Part No.	Description	Package
PWM IC	UCS1654S	Fly-back controller with MOSFET	DIP-7A DIP-8
Opto isolation	UPC817	Photo-coupler CTR 50~600	SMD-4 DIP-4 LSOP-4
Op amplifier	ULV8551XK	1-ch RRIO zero-drift op amp	SOT-25
CC/CV control	UM611	2 op amps with VREF	SOT-26
Gate Driver	UTR2304*	600V half-bridge gate driver	SOP-8
Gate Driver	UTR2113*	High-side + low-side gate driver	SOP-8
Power MOSFET	18N60-ML	N-ch MOSFET 600V 18A	TO-220F1/F2/F3
Power MOSFET	F5N60-TD1	Rugged 600V Trr-optimized	TO-252
Power MOSFET	4P50	P-ch MOSFET -500V -4A	TO-251 TO-252 TO-220/F
Power MOSFET	18N25-HC	N-ch MOSFET 250V 18A	TO-251 TO-252 TO-3PN TO-220/F/F1/F2
Power MOSFET	USG135N10	N-CH SGT MOS, VDSS=100V, ID=135A, RDS(ON) <5.0m ohm	TO-220, TO-220F1, TO- 263, TO-252, PDFN5X6
Power MOSFET	UT3404	N-CH Trench MOS, VDSS=30V, ID=5.8A, RDS(ON) <28m ohm	SOT-23, SOT-26, SOP-8, PDFN3X3
Power MOSFET	UD4606	N-ch+P-ch 30V/-30V combo	SOP-8 DIP-8





Parts in Solar Inverter

Category	Part No.	Description	Package
IGBT	UPGE50N60	600V 50A IGBT	TO-3PB TO-247S TO-247
TRIAC	BTA16	16A TRIAC	TO-220F
TRIAC	USS120	700V volt-clamping AC switch	TO-220F
SCR	MCR100	200~800V 1A SCR	SOT-23 SOT-89 SOT-223 TO-92
Rectifier Diode	US1M	1000V 1A ultrafast FRED	SMA SOD-123F
TVS Diode	SMDJ	3000W (at 10/1000us) TVS	SMC
Schottky	MBR2060C	Schottky rectifier 60V 20A	TO-252 TO-263 TO-220/F/F1/F2
Schottky	TGBR30L60C	Trench Schottky 60V 30A	TO-220 TO-220F/F1
Regulator	78Dxx	35V 0.5A linear regulator	TO-251 TO-252 SOT-223 DFN5060-8
CMOS LDO	LR1801	1A fast LDO regulator	SOT-89 SOT-223 TO-252 HSOP-8 SOT-89-5 DFN2020-6
Low- I_Q LDO	UR76xxH	36V 0.5A LDO, $I_Q < 10\mu A$	SOT-23 SOT-23-5 SOT-25 SOT-89 SOT-223 SOP-8





Parts in Solar Inverter

Category	Part No.	Description	Package
DC converter	UD24121	24V 1.2A 1.4MHz step-down	SOT-26
DC converter	UD05208	5V 2A 1.5MHz with power saving	SOT-25
Volt. Detect.	UIC812	Reset IC open-drain output	SOT-23 SOT-23-3 SOT-143 SOT-343 SOT-25 SOT-353
Logic gate	U74AHC1G08	Single 2-input AND gate	SOT-25 SOT-353
Logic gate	U74AHC3G14	3-ch inverter with Schmitt trigger	TSSOP-8 MSOP-8
Multiplexer	4052	4-ch analog multiplexer	DIP-16 SOP-16 TSSOP-16
Driver array	ULN2003	7-ch Darlington sinking driver	DIP-16 SOP-16 TSSOP-16
RS-232/485	UT3232	2-driver 2-receiver line driver	SOP-16, SSOP-16, SSOP-16N, TSSOP-16
RS-232/485	UTRS485	RS-485 driver/receiver (1UL)	SOP-8 DIP-8
Display	UL318	10-digit LED ctrl. with keyscan	SOP-28
Display	UL319	16-digit LED ctrl. with keyscan	QFP-44

