

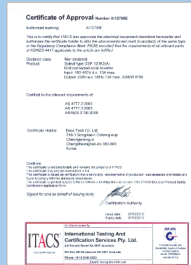


# CERTIFICATES

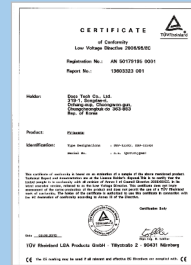
To be the world's leader in the new & renewable energy business.



CQC DSP-3310K(10KW)



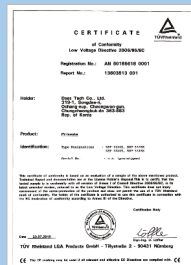
AS4777.2 2005, AS4777.3 2005, AS NZS 3100 2009 DSP-123K2A(3KW)



CE EN50178 1997 DSP-123K2(3KW)



CE EN50178 1997 (100KW, 255KW, 510KW)



CE EN50178 1997 (15KW, 20KW, 25KW, 30KW)



CE EN61000-6-3 2007, EN61000-6-1 2007, EN61000-3-2 2006, EN61000-3-3 2008 DSP-123K2(3KW)

# DASS Tech

Inverter manufacturing company of world best efficiency



# COMPANY HISTORY



- 2010.12** DSP-123K2(3KW) The first Exporting to Australia
- 11** DASS China Factory in Yisheng City, Jiangsu Province completed
- 05** 500kW and 1MW inverter developed and TUV certified
- 04** single phase 3kW CE/TUV certified

---

- 2009.06** 'INNO-BIZ' awarded by Korean government (SMBA)
- 03** three phase 200kW & 250kW introduced to domestic market

---

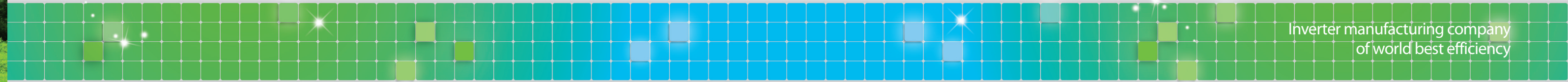
- 2008.12** Commercial power plant of 1MW constructed in Jinju, Gyungangnam-do
- accumulated sales of three-phase inverters recorded over 10MW
- 07** three-phase 100kW inverter introduced to domestic market

---

- 2007.12** Headquarter and factory moved to 'O-Chang Science & Industrial Complex'
- 11** Recorded 40% of market share in Korea's single phase market
- 9** three phase inverter of 10~50kW introduced

---

- 2006.12** In-house R&D center established (approved by KOITA)
- 7** PV Inverter of 2.5kW and 3kW certified by KEMCO
- 5** Non-transformer UPS (Uninterruptible Power Supply) developed
- 1** DASSTECH incorporated



319-1, Songdae-ri, Ochang-eup, Cheongwon-gun, Chungbuk, 363-883, Korea Tel: +82-43-218-5670 Fax: +82-43-218-5671

COPYRIGHT (C) 2010 DASSTECH. ALL RIGHTS RESERVED.





## GRID-TIED PHOTOVOLTAIC INVERTER SINGLE-PHASE MODEL(3KW)



Model	DSP-123K2
<b>Input (DC)</b>	
Max. DC power	3300W
Max. DC voltage	500V
Starting voltage	200V
PV-Voltage range(MPPT)	100V-450V
Recommended range of nominal power	200V-450V
Max. input current	15A
Number of MPP trackers	1
Max. number of string(parallel)	2
<b>Output(AC)</b>	
Nominal AC output	3000W
Nominal AC voltage / range	220V-240V / 180V-280V
Max. output current	13A
AC grid frequency	50Hz, 60Hz /auto-adjusting
AC Connection	Single phase
Number of wires	2
<b>Efficiency</b>	
Max. efficiency / Euro	96.7% / 95.99%
<b>General Data</b>	
Cooling concept	Convection
Installation : indoor / outdoor	IP 65 / IP 65
Dimension(W/H/D)	430*300*150
Weight	14kg
Topology	Transformer-less
Operating temperature range	-10°C ~ +50°C
Consumption : operating(standby) / night	<10W(6W) / X
DC reverse polarity protection	Yes
<b>Protection devices</b>	
AC short-circuit protection	Yes
Ground fault monitoring	Yes
Anti-islanding	Yes
Over/under frequency	Yes
Over/under voltage	Yes
Over Load / Over Heat	Yes
DC connection	QC4/MC4
<b>Features</b>	
AC connection	Plug connector
Display	LCD character (English)
Interface	RS232 or RS485
Warranty	5 years
Certificates	CE, TUV , AS4777

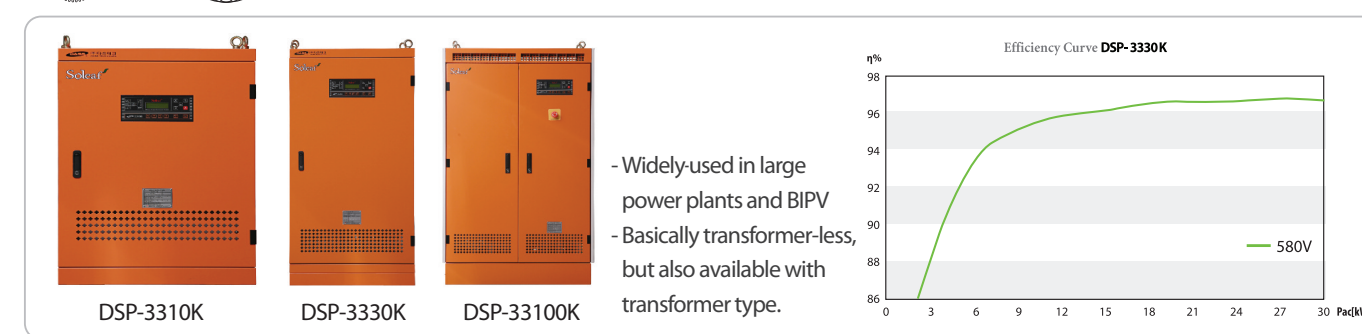
※ Specifications subject to change without prior notice.



## GRID-TIED PHOTOVOLTAIC INVERTER THREE-PHASE MODEL(10KW~100KW)

Model	DSP-3310K	DSP-3315K	DSP-3320K	DSP-3325K	DSP-3330K	DSP-3340K	DSP-3345K	DSP-3350K	DSP-3375K	DSP-33100K
<b>Input (DC)</b>										
Max DC power	11.0kW	17.25kW	22kW	28.75kW	33kW	44.0kW	49.5kW	55.0kW	82.5kW	110kW
Max DC voltage	820V	820V	820V	820V	820V	820V	820V	820V	820V	820V
PV-voltage range (MPPT)	200~820V(Starting voltage:400V)									
Max input current	30A	45A	60A	75A	90A	120A	135A	150A	225A	300A
Number of MPP trackers	1	1	1	1	1	1	1	1	1	1
Max number of parallel strings	1	5	5	7	7	1	1	1	2	5
<b>Output(AC)</b>										
Nominal AC output	10.0kW	15.0kW	20.0kW	25.0kW	30.0kW	40.0kW	45.0kW	50.0kW	75.0kW	100.0kW
Max AC power	10.5kW	16.5kW	21.0kW	27.5kW	31.5kW	42.0kW	47.3kW	52.5kW	78.8kW	105.0kW
Max output current	16A	25A	32A	42A	48A	64A	72A	80A	120A	160A
Nominal AC voltage	380V									
AC grid frequency	50/60Hz									
AC connection	3phase									
<b>Efficiency</b>										
Max efficiency/Euro	96.8/96.4	96.8/96.4	97.1/96.5	97.1/96.5	97.0/96.4	96.7/95.9	96.8/96.2	97.2/96.4	96.4/95.9	97.1/96.4
<b>Protection devices</b>										
Input over voltage	0	0	0	0	0	0	0	0	0	0
AC short-circuit protection	0	0	0	0	0	0	0	0	0	0
Ground fault monitoring	0	0	0	0	0	0	0	0	0	0
Grid monitoring	0	0	0	0	0	0	0	0	0	0
Anti-islanding(IEEE1547)	0	0	0	0	0	0	0	0	0	0
Over Load	0	0	0	0	0	0	0	0	0	0
Over Heat	0	0	0	0	0	0	0	0	0	0
<b>General data</b>										
Dimension(W/H/D) in mm	650*1060*500		650 * 1455 * 500			650 * 1455 * 650		1000 * 1700 * 750		
Weight	110Kg		170Kg		190Kg		210Kg		420Kg	
Operating temperature range	-10°C ~50°C									
Consumption:operating (standby)/night	<15W(10W) / X									
Topology	Transformer-less									
Cooling concept	Forced air cooling									
Installation	Indoor(IP20)									
<b>Features</b>										
Display	LCD Character(English)									
Interface	RS232 or RS485									

※ Specification subject to change without prior notice.



## GRID-TIED PHOTOVOLTAIC INVERTER THREE-PHASE MODEL (250KW, 500KW, 1MW)

Model	DSP-M33250K	DSP-M33500K	DSP-M331000K
<b>Input (DC)</b>			
Max DC power	275kW	550kW	1100kW
Max DC voltage	850V	850V	850V
PV-voltage range (MPPT)	450~820V(S.V:470V)		
Max input current	600A	1200A	2400A
Number of MPP trackers	1	1	1
Max number of parallel strings	-	-	-
<b>Output(AC)</b>			
Nominal AC output	250kW	500kW	1000kW
Max AC power	263kW	510kW	1020kW
Max output current	566A	1122A	2245A
Nominal AC voltage	270V		
AC grid frequency	50/60Hz		
AC connection	3phase		
<b>Efficiency</b>			
Max efficiency/Euro	97.3/96.5	97.2/96.5	97.2/96.7
<b>Protection devices</b>			
Input over voltage	0	0	0
AC short-circuit protection	0	0	0
Ground fault monitoring	0	0	0
Grid monitoring	0	0	0
Anti-islanding(IEEE1547)	0	0	0
Over Load	0	0	0
Over Heat	0	0	0
<b>General data</b>			
Dimension(W/H/D) in mm	1600 * 2155 * 1300	2400 * 2155 * 1300	4000 * 2155 * 1300
Weight	1200Kg	1800Kg	3200Kg
Operating temperature range	-20°C ~50°C		
Consumption:operating (standby)/night	<30W(20W)/X	<60W(30W)/X	<120W(40W)/X
Topology	Transformer-less		
Cooling concept	Forced air cooling		
Installation	Indoor(IP20)		
<b>Features</b>			
Display	LCD Character(English)		
Interface	RS232 or RS485		

※ Specification subject to change without prior notice.

