DPR 600B

Stand-alone Single Phase Rectifier



With the launch of 5G, mounting the rectifiers along with the telecom system, which is locating at the densely populated area, becomes an inevitable trend as a challenge.

To meet the demand of 5G small cell networks, DPR 600B is the optimal solution with lightweight structure but heavyweight performance.

As a result of the compact size, DPR 600B is in varied mounting styles not only for lamppost mount, pole mount but wall mount. Besides of the well flexibility, DPR 600B has also reached IP65 class and went through the earthquake test (zone4), which makes DPR 600B well protected and robust enough to against the external force.



DPR 600B



Votlage (range) 90 - 120V/sc Frequency 45 - 86-bz Power Factor > 0.99 Total Hamonic Distortion < 5%-gr (10% load Claybridge (range) 54 - 8%-gr (10% load Claybridge (range) 54 - 5%-gr (10% load Claybridge (range) 59 - 1 54 - 5%-gr (10% load Claybridge (range) 59 - 1 54 - 5%-gr (10% load Claybridge	INPUT	KOASEA-16
Frequency	Voltage (nominal)	100V _{AC} (single phase, 3 wire)
Power Factor > 0.98 Total Harmonic Dilatorition < 5%@100% load	Voltage (range)	90 - 120V _{AC}
Total Harmonic Distortion	Frequency	45 - 66Hz
Lightening Protection (8kV (EN 610004-5) Internal fuse	Power Factor	> 0.99
OUTPUT OUTPUT S-6.0V hrc Voltage (default) -54.0V hrc Voltage (adjustable range) -42 to -58 V hrc Output Current 11.10 A@ 100 V hrc; 12.96 A@ 120 V λrc Peak Efficiency 54.0% g 100 V λrc Peak Efficiency 54.0% g 100 V λrc Load Regulation \$ ± 2.50 m V Ripple \$ 2.50 m V Current Sharing \$ ± 5% Over voltage protection 59V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANDUS to System Controller Indications OK/RFA MECHANICAL WECHANICAL Dimensions (W × H x D) 20.9 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight < 6kg (13.2 lbs) (breaker excluded)	Total Harmonic Distortion	< 5%@100% load
OUTPUT Voltage (default) -54.0Vac Voltage (adjustable range) -42 to 580vac Output Current 11.10A@100Vx.c; 720V@120Vx.c Maximum Power @ nominal Input 600W@100Vx.c; 700V@120Vx.c Peak Efficiency 94.0%@100Vx.c Load Regulation ≤ ± 250mV Ripple ≤ 250mV Current Sharing ≤ ± 5% Over voltage protection 50V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK/RFA Indications OK/RFA MECHANICAL Dimensions (W x H x D) Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight < 50kg (13.20bs) (breaker excluded)	Lightening Protection	6kV (EN 61000-4-5)
Voltage (default) -54.0 Voc Voltage (adjustable range) -42 to -58 Voc Voltage (adjustable range) -42 to -58 Voc Output Current 11.10 Ag 100 Voc; 12.96 Ag 120 Voc Maximum Power @ nominal Input 600 W@ 100 Voc; 700 W@ 120 Voc Load Regulation ≤ ± 250 mV Ripple ≤ 250 mV Current Sharing ≤ ± 5% Over voltage protection 59 V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE USER INTERFACE WARM Agrange Canbus to System Controller Indications OWRFA Indications OK/RFA MECHANICAL Dimensions (W x H x D) 20.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <68g (13.2 bbs) (breaker excluded)	Protection	Internal fuse
Voltage (adjustable range) 42 to -58Voc Output Current 11.104@100VAc; 12.96A@120VAc Maximum Power @ nominal Input 600W@100VAc; 700W@120VAc Peak Efficiency 94.0%@100VAc Load Regulation \$ ± 250mV Ripple \$ 250mV Current Sharing \$ ± 5% Over voltage protection 59V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK/RFA Indications OK/RFA MECHANICAL Indications (W x H x D) Dimensions (W x H x D) 20.9 8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight 46kg (13.2 bs) (breaker excluded) Mount Pad mount, Wall mount, Pole mount Construction Aluminum Finish Powder coating Connecter DC output onnecter Connecter DC output onnecter ENVIRONMENTAL OD to +155 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature </td <td>OUTPUT</td> <td></td>	OUTPUT	
Output Current 11.10A@100V _{AC} ; 12.96A@120V _{AC} Maximum Power @ nominal Input 6000@100V _{AC} ; 700W@120V _{AC} Poak Efficiency 94.0%@100V _{AC} Load Regulation ≤±250mV Rippie ≤250mV Current Sharing ≤±5% Over voltage protection 59V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE WERNAMED Alarm and Signaling CANbus to System Controller Indications MECHANICAL Weight Alarm and Signaling CANbus to System Controller Indications OK/RFA MECHANICAL Weight <6kg (13.2bs) (breaker excluded)	Voltage (default)	-54.0V _{DC}
Maximum Power @ nominal Input 600W@100V _{AC} ; 700W@120V _{AC} Peak Efficiency 9.4 0	Voltage (adjustable range)	-42 to -58V _{DC}
Peak Efficiency 94.0%€100Vac Load Regulation ≤ ± 250mV Ripple ≤ ± 5% Over voltage protection 59V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK/RFA Indications OK/RFA Indications OK/RFA Indications OK/RFA MECHANICAL Dimensions (W x H x D) Weight <6kg (13.2lbs) (breaker excluded)	Output Current	11.10A@100V _{AC} ; 12.96A@120V _{AC}
Load Regulation ≤ ± 250mV Ripple ≤ 250mV Current Sharing ≤ ± 5% Over voltage protection 58V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK/RFA Indications of Winterface Indications of Winterface MECHANICAL Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight < 5kg (13.2lbs) (breaker excluded)	Maximum Power @ nominal Input	600W@100V _{AC} ; 700W@120V _{AC}
Ripple ≤ 250mV Current Sharing ≤ ± 5% Over voltage protection 59V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK'RFA Indications OK/RFA MECHANICAL Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <6kg (13.2lbs) (breaker excluded)	Peak Efficiency	94.0%@100V _{AC}
Current Sharing ≤ ± 5% Over voltage protection 59V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK/RFA MECHANICAL MECHANICAL Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <6kg (13.2lbs) (breaker excluded)	Load Regulation	≤ ± 250mV
Over voltage protection 59V ± 1 Load Sharing YES Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK/RFA Indications OK/RFA MECHANICAL Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <6kg (13.2lbs) (breaker excluded)	Ripple	≤ 250mV
Description	Current Sharing	≤±5%
Protection Internal fuse USER INTERFACE Alarm and Signaling CANbus to System Controller Indications OK/RFA Indications OK/RFA MECHANICAL Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <6kg (13.2lbs) (breaker excluded) Mount Pad mount, Wall mount, Pole mount Construction Aluminium Finish Powder coating Connecter Alarm AC input DC output Connecter Alarm Alarm 100 to +85 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -25 to +70 °C (40 to +149 °F) be-rating above 46 °C (+114 °F); (GR-487) Altitude 0 to +3000m Related Humidity 0 - 95 % RH non-condensing Acoustic Noise 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCI, EN55032, CISPR22 Environment READ Altitude READ Altitude Read Read Read Read Read Read Read Re	Over voltage protection	59V ± 1
Alarm and Signaling	Load Sharing	YES
Alarm and Signaling CANbus to System Controller Indications OK/RFA Indications OK/RFA MECHANICAL Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <6kg (13.2lbs) (breaker excluded) Mount Pad mount, Wall mount, Pole mount Construction Aluminium Finish Powder coating Connecter AC input DC output Alarm ENVIRONMENTAL Operating Temperature -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -25 to +70 °C (40 to +158 °F) Altitude 0 to +3000m Related Humidity 0 – 95 % RH non-condensing Acoustic Noise 4 dodBA Protection Class IP65 (EN 60529) Cooling Natural cooling ENCIRONMENTAL STANDARDS EMC VCCI, EN55032, CISPR22 Environment Related	Protection	Internal fuse
Indications	USER INTERFACE	
MECHANICAL Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <6kg (13.2lbs) (breaker excluded)	Alarm and Signaling	CANbus to System Controller
Dimensions (W x H x D) 209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body) Weight <6kg (13.2lbs) (breaker excluded)	Indications	OK/RFA Indications OK/RFA
Weight <6kg (13.2lbs) (breaker excluded)	MECHANICAL	
Mount Pad mount, Wall mount, Pole mount Construction Aluminium Finish Powder coating Connecter AC input DC output Connecter Alarm ENVIRONMENTAL Operating Temperature -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -25 to +70 °C (40 to +158 °F) Altitude 0 to +3000m Related Humidity 0 − 95 % RH non-condensing Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	Dimensions (W x H x D)	209.8 x 360.0 x 88.8mm (8.3 x 14.2 x 3.5in) (body)
Construction Aluminium Powder coating AC input DC output Connecter Alarm ENVIRONMENTAL Operating Temperature Operating Temperature -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -25 to +70 °C (40 to +158 °F) Altitude 0 to +3000m Related Humidity 0 – 95 % RH non-condensing Acoustic Noise 4 dodBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment ROBE EMC	Weight	<6kg (13.2lbs) (breaker excluded)
Finish Powder coating AC input DC output Alarm ENVIRONMENTAL Operating Temperature -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -25 to +70 °C (40 to +158 °F) Altitude 0 to +3000m Related Humidity 0 − 95 % RH non-condensing Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment Related Related Science	Mount	Pad mount, Wall mount, Pole mount
AC input DC output Alarm ENVIRONMENTAL Operating Temperature -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -25 to +70 °C (40 to +158 °F) Altitude 0 to +3000m Related Humidity 0 - 95 % RH non-condensing Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment Related	Construction	Aluminium
Connecter DC output Alarm Connecter Alarm Connecter Alarm Connecter Alarm Connecter Alarm Connecter	Finish	Powder coating
Operating Temperature -40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487) Storage Temperature -25 to +70 °C (40 to +158 °F) Altitude 0 to +3000m Related Humidity 0 − 95 % RH non-condensing Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment Robber 1965 (EN 60529) Robber 2018 (EN 60529) COOLING (EN 60529) FOR COOLING (EN 6052	Connecter	DC output Connecter
Storage Temperature -25 to +70 °C (40 to +158 °F) Altitude 0 to +3000m Related Humidity 0 - 95 % RH non-condensing Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	ENVIRONMENTAL	
Altitude 0 to +3000m Related Humidity 0 − 95 % RH non-condensing Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	Operating Temperature	-40 to +65 °C (-40 to +149 °F); De-rating above 46 °C (+114 °F); (GR-487)
Related Humidity 0 − 95 % RH non-condensing Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	Storage Temperature	-25 to +70 °C (40 to +158 °F)
Acoustic Noise ≤ 40dBA Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	Altitude	0 to +3000m
Protection Class IP65 (EN 60529) Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	Related Humidity	0 – 95 % RH non-condensing
Cooling Natural cooling STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	Acoustic Noise	≤ 40dBA
STANDARDS EMC VCCI, EN55032, CISPR22 Environment RoHS	Protection Class	IP65 (EN 60529)
EMC VCCI, EN55032, CISPR22 Environment RoHS	Cooling	Natural cooling
Environment RoHS	STANDARDS	
	EMC	VCCI, EN55032, CISPR22
MTBF 300k hours @ 25 °C (+77 °F)	Environment	RoHS
	MTBF	300k hours @ 25 °C (+77 °F)





* All specifications are subject to change without prior notice.

