

CERTIFICATE OF SUITABILITY

Authorised marking: TUV021991E

CONTINUATION SHEET 5

(Modification 2)

For All Models:

Update CDF.

Add the new additional sources of components for alternative use as below:

Object/part No.; Manufacturer/ Trademark; Type/ model;

Technical data; Standard; Mark(s) of conformity:

DC cable and AC cable: 3Q WIRE&CABLE CO LTD; 1015;
8AWG,600V,105°C; UL 758; E341104;

DC switch: Santon; XBE3210/2, XBE+3210/2; 25A,800VDC,2Poles;
IEC/EN60947-3:2009+A1+A2; KEMA 71-103409;

Projoy; PEDS150a-b32c-y Series,

32A, 1000VDC, 2Poles; AS 60947.3: 2018; SAA-190350-EA.

AC connector: Vaconn Interconnection Solution; VPAC07EW-3S;
300V AC/30A, -40~+90°C; IEC 61984; R 50235418.

Driver board:

- X capacitor C48 (AC side): EPCOS; B32923H3105M;
1uF/ 305Vac min -40 ~+125°C; IEC 60384-14; ENEC 00812.

- X capacitor C1 (DC side); EPCOS; B32924H3105M;

1uF/ 305Vac min -40 ~+125°C; IEC 60384-14; ENEC 00812.

- Y capacitor (DC side) (C17 C18): TDK; CS14-F2GA103MYNKA;

10nF, 400Vac, -25°C~+105°C; IEC 60384-14; VDE 40017930.

(Further ratings info refer to CONTINUATION SHEET 6-7).

Issue Date: 17/05/2019

Expiry Date: 10/07/2022

Signed for and on behalf of TÜV Rheinland Australia Pty Ltd



Acc. No. Z2870404AA
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CONTINUATION SHEET 6

(Modification 2)

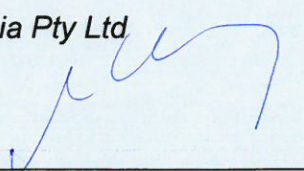
Driver board:

- Filter inductance (DC side)(L4)-3.6K: Ginlong; L2112214-C;
≥2.19mH,class B 130°C; IEC/EN 62109-1.
- Filter inductance (DC side)(L4)-0.7~3K: Ginlong;
JF312015A; 2mH,class B 130°C; IEC/EN 62109-1.
- Filter inductance (AC side)(L5): Ginlong; L2112022-C;
5.56mH,class B 130°C IEC/EN 62109-1.
- AC MOV (R40): EPCOS (ZHUHAI FTZ) CO LTD;
B72220S0381K101; 300VAC min V-0 -40°C ~ +105 °C;
IEC 61051; VDE 40027582.
- AC MOV (R39/R90): EPCOS (ZHUHAI FTZ) CO LTD;
B72220S0301K101; 300VAC min V-0 -40°C ~+105 °C;
IEC 61051; VDE 40027582.
- Relay K1~K4: Zettler; AZSR126-1AE-12D;
31A, 277VAC, 12VDC, Contact gap 1.5mm. Coil Class F,
85°C; IEC 61810-1; VDE40044588.
- Relay K1~K4: Panasonic; ALFG-PF12;
33A, 250VAC, 12VDC, Contact gap 1.5mm. Coil Class F , 85°C;
IEC 61810-1; VDE40023067.
- Relay K1~K4: Panasonic; ALFG-PF121;
33A, 250VAC, 12VDC, Contact gap 1.5mm. Coil Class F,
85°C; IEC 61810-1; VDE40023067.
- GFCI: Magtron; RCMU101SM1-2A1;
500mA,-40°C~+85°C, with self-check function; UL E492115.
- Bus capacitor (C19~C24): NICHICON; LGX2F102MELFSH;
1000uF,315V, -25-105°C; IEC/EN 62109-1.

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CONTINUATION SHEET 7

(Modification 2)

Driver board:

- Bus capacitor (C19~C24): EPCOS; B43255S0108M006; 1000uF,315V, -25-105°C; IEC/EN 62109-1.
- Bus capacitor (C19~C24): Rubycon; 315VX100PMHSLSN35X50; 1000uF,315V, -25-105°C; IEC/EN 62109-1.
- IGBT V1~V6, Vb1: ST; STGWA40H65DFB; Vce;650V; Ic:50A -40°C~+175°C; IEC/EN 62109-1.
- IGBT V1~V6, Vb1: Infineon; IKW30N60H3; 650V, 30A, -40°C~+175°C; IEC/EN 62109-1.
- IGBT V1~V6, Vb1: Infineon; IKW50N60H3; 650V, 50A, -40°C~+175°C; IEC/EN 62109-1.
- Diode (D1): Infineon; IDW80C65D2; Vrrm:65V;If:2*40A;-40°C~175°C; IEC/EN 62109-1.

Power inductance:

- Power inductance for Solis-3600-mini-4G: Ginlong; L-4G-1P3K6 -Mini; 559uH±10%, class B 130°C; IEC/EN 62109-1.
- Power inductance for Solis-3600-mini-4G: Ginlong; L-4G-1P3K6 -Mini; 223uH min,class B 130°C; IEC/EN 62109-1.

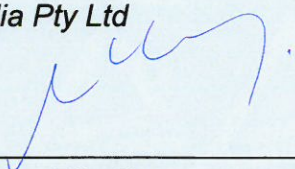
DSP Board:

- Slave CPU: Texas Instrument; TMS320F28021PTT(PQFP-48); 72MHz, -40°C~105°C; IEC/EN 62109-1.

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