

Communication protocol

● Introduction

Control command structure use the command line mode, baud rate 9600bps, Command is limited to lowercase 'a' to 'z', numeral '0' to '9', The end of every command symbol a newline hex: "0x0a". Command total length maximum 15 character.

● Command detailed description

1. Command: **a**

Command format: **a + 0x0a**, Function: read product model.

2. Command: **s** Function: Setting parameter value.

(1) Command: **su** Function: set voltage preset value.

Command format: **suxxxx + 0x0a**, "xxxx" means voltage value.

For example: **su1000** means setting voltage value is 10.00V.

su0258 means setting voltage value is 2.58V.

su3512 means setting voltage value is 35.12V.

(2) Command: **si** Function: set current value.

Command format: **sixxxx + 0x0a**, "xxxx" means current value.

For example: **si1000** means setting current value is 10.00A.

si0250 means setting current value is 2.50A.

(3) Command: **so** Function: set output state.

Command format: **sox + 0x0a**, x means output state.

For example: **so0** Power output shut off.

so1 Power output.

3. Command: **r** Function: read parameter.

(1) Command: **ru** Function: read measure voltage value.

Command format: **ru + 0x0a**

For example: return **ru1120** means read measure voltage is 11.20V.

(2) Command: **ri** Function: read measure current value.

Command format: **ri + 0x0a**

For example: return **ri1024** means read current is 10.24A.

(3) Command: **rc** Function: read the power working state.

Command format: **rc + 0x0a**

For example: **rc0** means the power working in CC mode.

rc1 means the power working in CV mode.