DC-6006L Command

1. Serial Port Setting

arg	value
baudrate	115200
xonxoff	True

2. Command List

💡 """Extracts first valid log from given buffer. Also returns remaining buffer."""

Check match with various possible fragment patterns

This is needed as DC6006L emits mixed output of these fragments, instead of emitting single fixed formatted output. So the output is like following:

KB<type0><type1><type3><type0>...<type0><type1><type0><type3><type0>...<type0>

First 'KB' prefix is emitted only on first connection setup.

On DC580, this prefix seems to be 'MB' and format of each fragment also somewhat differs.

ser.write(**cmd** + "\r\n").encode('ascii'))

cmd		python ex.
N	power on	self.ser.write("N" + "\r\n").encode('ascii'))
F	power off	
Q	log	
W	logging	
Z	noprotect	
V	set voltage	**5V setting example** value = "V%04d" % (5.0 * 100) ser.write((value + "\r\n").encode('ascii'))
I	set current	"I%04d" % (value * 1000)
B	set ovp	"B%04d" % (value * 100)

cmd		python ex.
D	set ocp	`"D%04d" % (value * 1000)`
E	set opp	`"E%04d" % (value * 10)`
H	set ohp (hr.)	`"H%02d" % (value / 3600)`
M	set ohp (min.)	`"M%02d" % ((value % 3600) / 60)`
S	set ohp (sec.)	`"S%02d" % (value % 60)`
X	ohp enable	
Y	ohp disable	