



四川立业科技有限公司
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H 系列 功率调节器

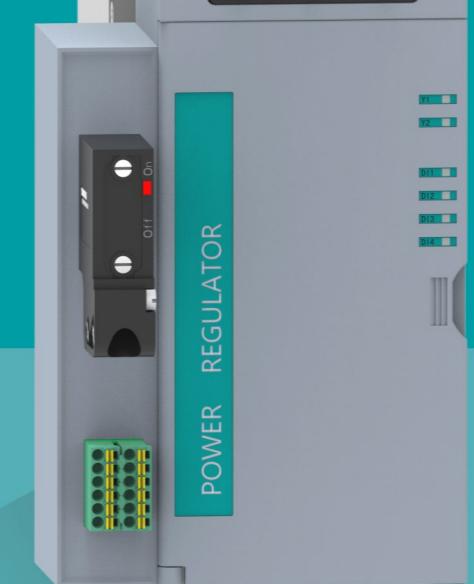
CE ISO

H SERIES POWER REGULATOR

H系列功率调节器

H是一种高度，为梦想而生！

H is a height, born for dreams!



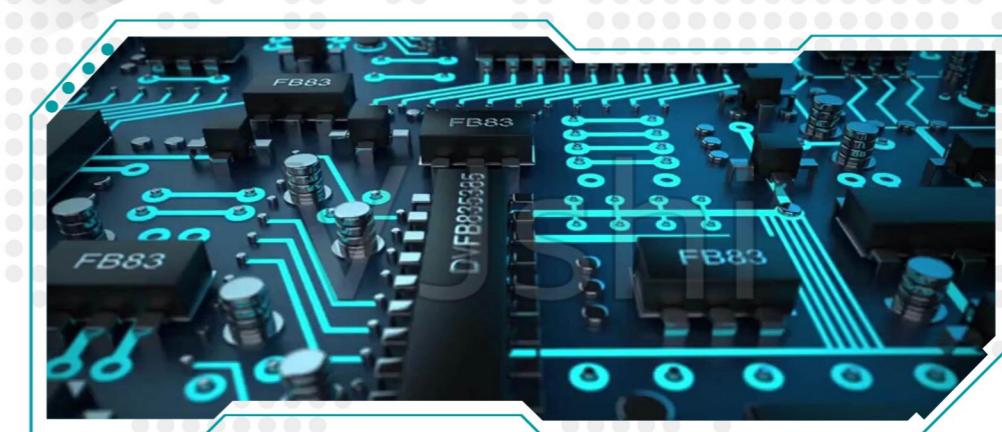
完善的接口功能

Perfect interface function



2.8寸彩色中英文操作界面
(可上传、下载参数)

2.8" color Chinese and English Operation Interface
(available for uploading and downloading parameters)



高精度的设计定位、真有效值

High-precision design positioning, true RMS

H SERIES LOW HARMONIC APPLICATIONS

H系列之低谐波应用

HLV系列功率变换

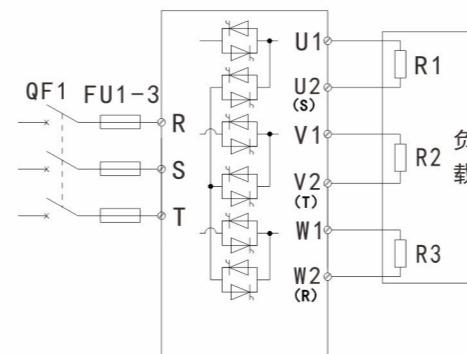
HLV Series Power Conversion

采用Y/△变换，33%额定功率范围内，获得更低的谐波，并提高功率因数。
Y/A conversion is adopted within 33% rated power range to get lower harmonics and improve power factor.

HSP系列叠层

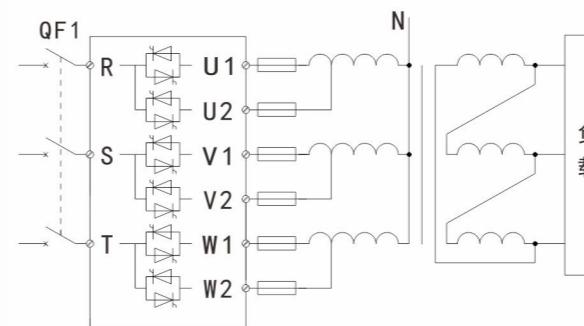
HSP Series Lamination

采用变压器多抽头，叠层控制输出，获得更低的谐波，并提高功率因数。
Multi-tap transformer is used to achieve laminated control output, get lower harmonics and improve power factor.



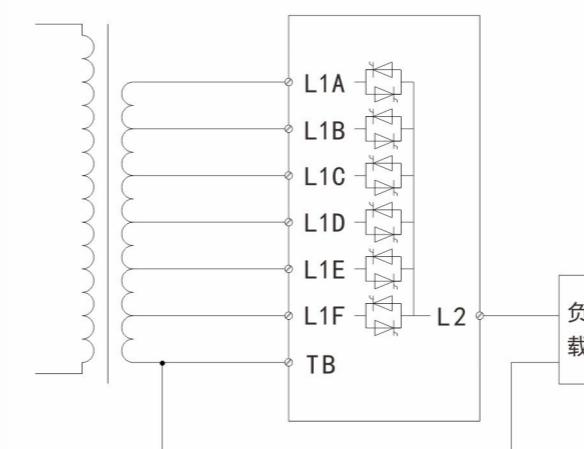
HLV系列功率变换

HLV Series Power Conversion



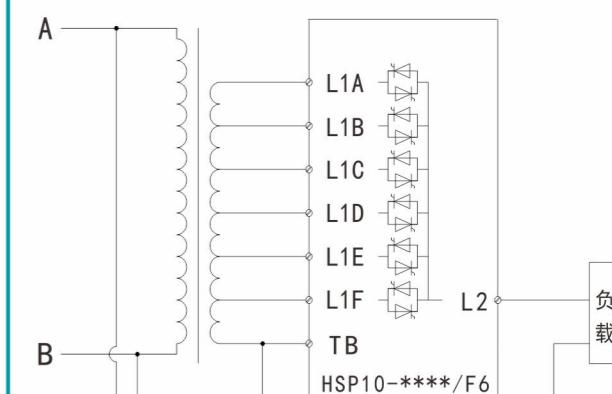
HSP系列三相2叠层

HSP series three-phase 2 lamination



HSP系列单相6叠层

HSP series single-phase 6 lamination



HSP30系列三相6叠层

HSP30 series three-phase 6 lamination

Technical Specification Sheet

技术规格表

名称 Name	HR系列标准型 HR Series Standard Type			HLV系列变换型 HLV Series Transformation Type	HSP系列叠层型 HSP Series Laminated Type				
型号规格 Model & Specification	HR10	HR20	HR30	HLV30	HSP10	HSP30			
适用负载类型 Applicable Load Type	感性、阻性 Inductive and resistive	阻性 Resistive	感性、阻性 Inductive and resistive						
主回路极数 Number of Main Loop Poles	1P	2P	3P	3P	2-6P (单相 2-6 laminated) 2-6P (single-phase 2-6 laminated)	6P (三相2叠层) 6P (three-phase 2 laminated)			
额定电流 (AC) Rated Current (AC)	10-1200A	25-600A	25-3000A						
主回路电源 (AC) Main Loop Power (AC)	电压: 30-440V, 660V ~ 1140V 及以上需定制, 45-65Hz Voltage: 30-440V, 660V ~ 1140V and above (make on demand), 45-65Hz								
控制电源 (AC) Control Power (AC)	电压: 85-275V, 45-65Hz Voltage: 85-275V, 45-65Hz								
触发方式 Trigger Mode	移相、过零 Phase shift, zero passage	过零 Zero passage	移相、过零 Phase shift, zero passage						
移相控制方式 Phase Shift Control Mode	U, I, P, a		U, I, P, a						
过零控制方式 Zero Passage Control Mode	定周期、变周期 Fixed period and variable period								
模拟量输入 (4路) Analog Input (4 Channels)	1路0 (或4) -20mA 1 channel, 0 (or 4) -20mA								
	1路0 (或1) -5 (或10) V 1 channel, 0 (or 1) -5 (or 10) V								
	2路0 (或4) -20mA / 0 (或1) -5 (或10) V可切换 2 channels, 0 (or 4) -20mA / 0 (or 1) -5 (or 10) V switchable								
模拟量输出 Analog Output	2路0 (或4) -20mA, 负载≤450Ω 2 channels, 0 (or 4) -20mA, load ≤ 450 Ω								
数字量输入 Digital Input	4路 (无源触点) 4 channels (passive contact)								

数量输出 Digital Output	2路 (无源触点, 5A 30VDC / 5A250VAC) 2 channels (passive contact, 5A 30VDC / 5A250VAC)
CPU	32位DSP 32-bit DSP
AD采集精度 AD Acquisition Accuracy	12位 12 bits
电量信号采集 Electric Quantity Signal Acquisition	真有效值检测, 具备有功功率显示 True RMS detection, with active power display
稳定精度 Stabilization Accuracy	≤0.1%
移相触发分辨率 Phase Shift Trigger Resolution	≤0.01%
显示界面语言 Display Interface Language	中文/英文 Chinese/English
显示屏 Display Screen	2.8寸彩色TFT显示 MCU240 × 320, 实时显示输入/输出电压, 电流、功率、给定量、控制方式及故障信息 2.8" color TFT display MCU 240 × 320, real-time display of input/output voltage, current, power, specified rate, control mode and fault information
操作按键 Operation Key	8位按键, 具备键盘启停、键盘手/自动切换等操作 8-bit keys, with keyboard start/stop, keyboard manual/automatic switching and other operations
键盘功能 Keyboard Function	具备参数上传/下载功能 (可用于参数备份) With parameter upload/download function (available for parameter backup)
保护功能 Protection Function	电源断相、频率故障、过电流、散热器过热、晶闸管故障、风机故障、过电压、负载不平衡等, 部分故障可设置为轻故障报警 (只报警不停机或关闭功能) Power supply phase failure, frequency failure, overcurrent, radiator overheating, thyristor failure, fan failure, overvoltage, load unbalance, etc. Partial faults can be set as light fault alarms (alarm only without stopping or shutting down the function)
通讯 (标配) Communication (Standard Configuration)	MODBUS-RTU (RS485) 联机功率分配 (最多可12台联机) MODBUS-RTU (Rs485) on-line power distribution (up to 12 on-line units)
通讯 (选配) Communication (Optional Configuration)	PROFIBUS-DP (/DP) 、 PROFINET (/NET) 、 MODBUS-TCP (/TCP) 三选一 PROFIBUS-DP (/DP), PROFINET (/NET), MODBUS-TCP (/TCP) One of the three options
其他选配 Other Optional Configuration	高防护 (/HZ) : 适用于导电粉尘、导电纤维、易腐蚀等高防护要求场合 High protection (/HZ): applicable to the premises with high protection requirements for conductive dust, conductive fibers, easy corrosion, etc.
符合认证 Certification Conformity	欧盟CE认证 EU CE certification