







www.elfri.com

		Mortice MINI power supplies	MINI power supplies		DIN rail power supplies						Battery charge-discharge control device	
												
Code		AKM24005_000	AKM12010_000	AKM12020_000	AKM12030_000	AKD24015_000	AKD12025_000	AKD24025_000	AKD12040_000	AKD24045_000	AKD12075_000	AKC12160_000
Input voltage	Vac	100 ÷ 240						110/230			12/24 Vdc autsetting	
Frequency	Hz	50 ÷ 60									Vdc	
Input current	A	0,12	0,22	0,31	0,3	0,6	0,48	0,9			20	
Rating power	W	12	24	36								
Output voltage	Vdc	24 ÷ 28	12 ÷ 14	12 +6% adj.		24 +15% adj.	12 +15% adj.	24 +15% adj.	12 +15% adj.	24 +15% adj.	12 +15% adj.	12/24 autsetting
Rated current	A	0,5	1	2 *	3 *	1,5	2,5	2,5	4	4,5 **	7,5 **	16A (12Vdc) - 10A (24Vdc)
Technology		switching									Battery 24 Ah max	
Ripple	mV p-p			100		90	130	110	140			
Efficiency	%	81	81	80	80	86	86	86	84	86	86	
Power dissipation	W	2,6	3			5,5	6	7	10	11	14	
Modules number		4						7			4	
Input protections		fuse										
Output protections		fuse			thermal			battery protection fuse: 16A				
		fuse		current limitation		overload			6,3x32 replaceable			
								shortcircuit			overload	
								current limitation			shortcircuit	
Signaling		LED									LED	
IP rating	IP	20									20	
Cooling		natural air convection									natural air convection	
Mtbf	h	100000									100000	
Working temperature	°C	-20 ÷ +40				-15 ÷ +60				-10 ÷ +60		
Relative humidity	%	0 ÷ 90				5 ÷ 95				0 ÷ 95		
Input connections		screw terminals									screw terminals	
Output connections		screw terminals									screw terminals	
Applications		domotics									domotics	
		videocameras									videocameras	
		sensors									sensors	
		electric locks									electric locks	
		solenoid valves									solenoid valves	
		alarm systems									-	
		release coils									release coils	
		production plants									production plants	
		intrusion detection systems									emergency power supply syst.	
		CCTV									CCTV	
Installation		into electrical connector blocks				on DIN rail				on DIN rail		
		into 3-modules flush mounting boxes										
Weight	Kg	0,06	0,14	0,24	0,19	0,21	0,36			0,51		
Dimensions (WxDxH)	mm	56x32,5x56	60x37x85	90x37x80	65x90x70		125x90x70		65x90x70			
Standards		CEI-EN 60950-1									CEI EN 60950-1	
		2006/95/CE Directive									2006/95/CE Directive	
		2004/108/CE Directive									2004/108/CE Directive	
								CEI-EN 61000-3-2 CEI-EN 61000-3-3 CEI-EN 61000-4-5 IEC 801-2 IEC 801-4				
Note		housed into 3-modules flush mounting boxes	* For 110Vac input, consider a load maximum of 60% of rated one		** Warning: for current from 80% to 100% of rated one this power supply must be housed in ventilated environmed.						Using with power supply and battery. Dry contact available for remote alarm signaling	