



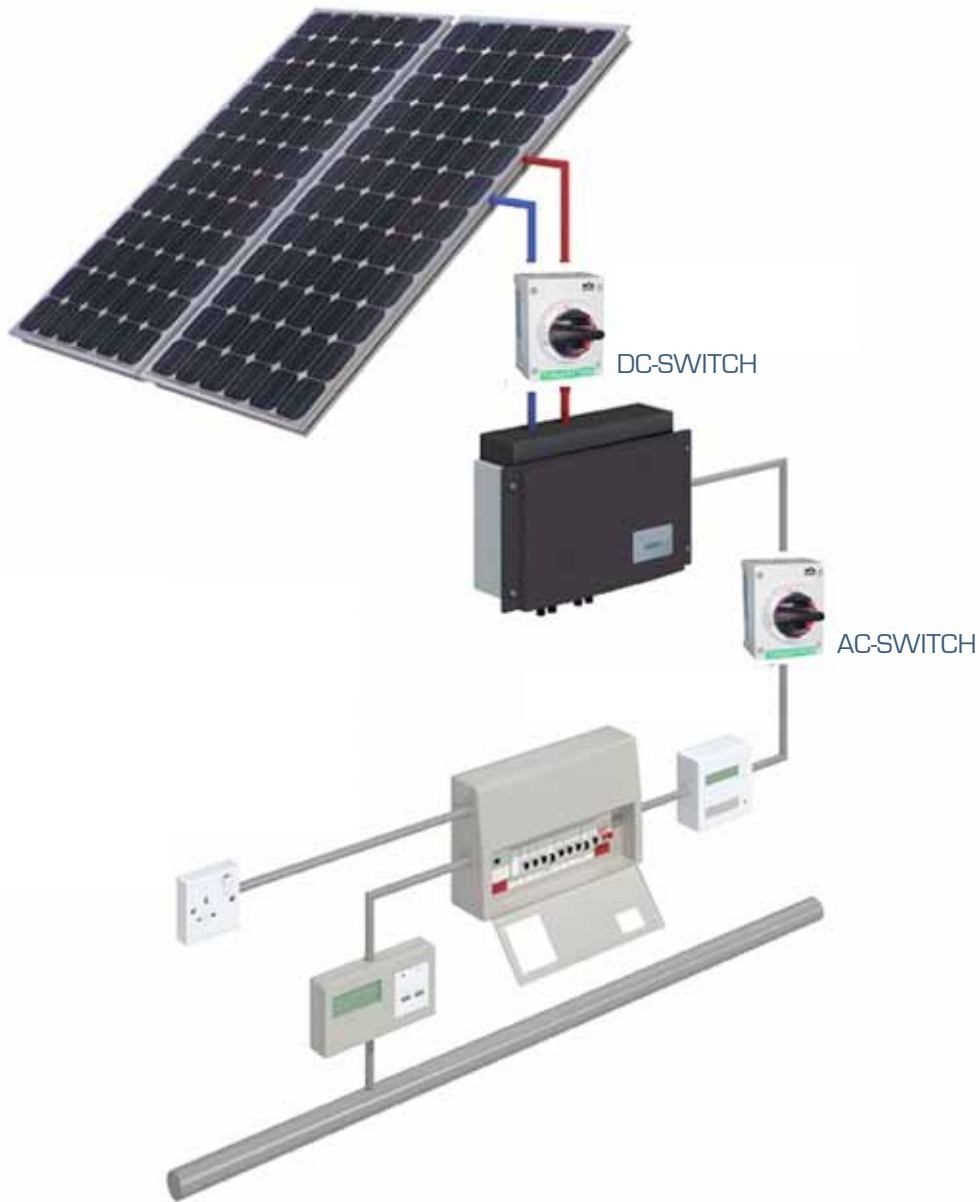
## PHOTOVOLTAIC SYSTEMS

About 16% of global final energy consumption comes from renewable energy sources and the figure keeps growing. One of the fastest growing areas in renewable energy is photovoltaics. In photovoltaics or "PV" electrical power is generated by converting solar radiation into direct current (DC) electricity using semiconductors that exhibit the photovoltaic effect.

We here at KATKO are committed to develop our products to be the best possible solution for PV systems to speed up the usage of renewable energies in electricity production throughout the world. We strongly believe that renewable energy is the key component for building a cleaner, better environment for the future generations to live.

We are constantly developing and testing new products for photovoltaic systems, to grow our PV/DC product range. Please feel free to contact KATKO for any enquiries on this matter, and we'll help you to find the best solution to fit your needs.

Load Break Switch		KU 316N DC	KU 325N DC	KU 340N DC	KU 416N DC	KU 425N DC	KU 440N DC	KU 480N DC
EAN-code	6419410...	...212158	...212165	...212172	...212189	...212196	...212202	...212318
Safety Switch		KEM 316U DC (Y/R)	KEM 325U DC (Y/R)	KEM 340U DC (Y/R)	KEM 416U DC (Y/R)	KEM 425U DC (Y/R)	KEM 440U DC (Y/R)	KEM 480U DC (Y/R)
EAN-code	6419410...	...327982	...328002	...328026	...327807	...327821	...327845	...328149
EAN-code (Y/R)	6419410...	...327999	...328019	...328033	...327883	...327906	...327920	...328156
Number of poles in series		3	3	3	4	4	4	4
Rated insulation voltage	Ui (V)	800	800	800	800	800	800	800
	Uimp (kv)	8	8	8	8	8	8	8
Rated thermal current	Ithe (A)	25	40	40	25	40	40	40
Rated operational current	Ie (A)							
	DC-21B	16A 320V	25A 320V	40A 320V	12A 500V	16A 500V	20A 500V	32A 500V
	DC-22B			16A 440V	10A 600V	12A 600V	16A 600V	
Rated short circuit making capacity	Icm (kA)	2.5	2.5	2.5	2.5	2.5	2.5	3.3
Rated short time withstand current	Icw (kA)	1.7	1.7	1.7	1.7	1.7	1.7	2.3
Mechanical endurance		50000	50000	50000	50000	50000	50000	50000
Enclosure		U2	U2	U2	U2	U2	U2	U3
Terminals/ *Bolt size	Cu (mm <sup>2</sup> )	1.5-16	1.5-16	1.5-16	1.5-16	1.5-16	1.5-16	2.5-35
Terminal torque	(Nm)	1.8	1.8	1.8	1.8	1.8	1.8	2.5



KU 480N DC	KU 816 DC	KU 825 DC	KU 840 DC	KU 863 DC	KU 880 DC	VKE 420 DC	VKE 432 DC	VKE 440 DC	VKE 380 DC	VKE 6250 DC
...212318	...212219	...212226	...212233	...212240	...212257	...212264	...212271	...212288	...212295	...212301
KEM 480U DC (Y/R)	KEM 816U DC (Y/R)	KEM 825U DC (Y/R)	KEM 840U DC (Y/R)	KEM 863U DC (Y/R)	KEM 880U DC (Y/R)	VKEM 420U DC (Y/R)	VKEM 432U DC (Y/R)	VKEM 440U DC (Y/R)	VKEM 380 DC (Y/R)	KEM 6250 DC (Y/R)
...328149	...327814	...327838	...327852	...327944	...327951	...328040	...328064	...328088	...328101	...328125
...328156	...327890	...327913	...327937	...327968	...327975	...328057	...328071	...328095	...328118	...328132
4	8	8	8	8	8	4	4	4	3	6
800	1000	1000	1000	1000	1000	1000	1000	1000	1000	1000
8	8	8	8	8	8	8	8	8	8	12
40	25	40	40	40	40	20	32	40	80	250
32A 500V										
	16A 800V	20A 800V	25A 800V	25A 1000V	32A 1000V			40A 600V	80A 600V	200A 1000V
						20A 800V	32A 800V			
3.3	2.5	2.5	2.5	3.3	3.3	3.3	3.3	3.3	6	7
2.3	1.7	1.7	1.7	2.3	2.3	2.3	2.3	2.3	4	5
50000	50000	50000	50000	50000	50000	20000	20000	20000	20000	16000
U3	U3	U3	U3	U3	U3	U4	U4	U4	MF11	MF04
2.5-35	1.5-16	1.5-16	1.5-16	2.5-32	2.5-32	2.5-32	2.5-32	2.5-32	2.5-70	M10
2.5	1.8	1.8	1.8	2.5	2.5	2.5	2.5	2.5	6	30-44